

# FILE NOTATIONS

Entered in NID File .....  
Location Map Filled .....  
Card Indexed .....  
.....

Checked by Chief *JMP*  
Approval Letter .....  
Disapproval Letter .....  
6-11-73

## COMPLETION DATA:

Date Well Completed *12-3-73*

OW..... WW..... TA.....

GW..... OS..... PA.....

Location Inspected .....

Bond released

State or Fee Land ...

## LOGS FILED

Driller's Log.....

Electric Logs (No.) .....

E..... L..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog.....

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

Patented

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Brotherson

9. Well No.

1-24B4

10. Field and Pool, or Wildcat

Altamont

11. Sec., T., R., M., or Blk.  
and Survey or AreaSW/4 NE/4 Section 24-  
T 2S-R 4W

12. County or Parrish 13. State

Duchesne

Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil  
Well ☒Gas  
Well ☐

Other

Single  
Zone ☒Multiple  
Zone ☐2. Name of Operator Shell Oil Company (Rocky Mtn Div. Production)  
Gulf Oil Corporation

3. Address of Operator

1700 Broadway, Denver, Colorado 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

1445' FNL and 1894' FEL Sec 24

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

10 miles NE of Duchesne

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drlg. line, if any)1445' from sec line  
600' from property  
line

16. No. of acres in lease

1240

17. No. of acres assigned  
to this well

640

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.No other wells  
on lease

19. Proposed depth

12,300'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6138 GL (Ungraded)

22. Approx. date work will start\*

6-17-73

23.

## PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17 1/2"	13 3/8"	68#	300'	550 cu ft
12 1/4"	9 5/8"	40#	6700'	800 cu ft
8 3/4"	7"	26#	10,800'	500 cu ft
6 1/8"	5" liner	18#	12,300'	300 cu ft

As per attached survey plat and Summary of Mud System  
Monitoring Equip, BOP Equip, and Mud.139-3/139-4  
Ole

Approval to drill obtained from Schereé DeRose by C. W. Van Kirk 6-1-73.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

K R Jordan

Title Division Operations Engr.

Date June 7, 1973

(This space for Federal or State office use)

Permit No.

43-013-30229

Approval Date

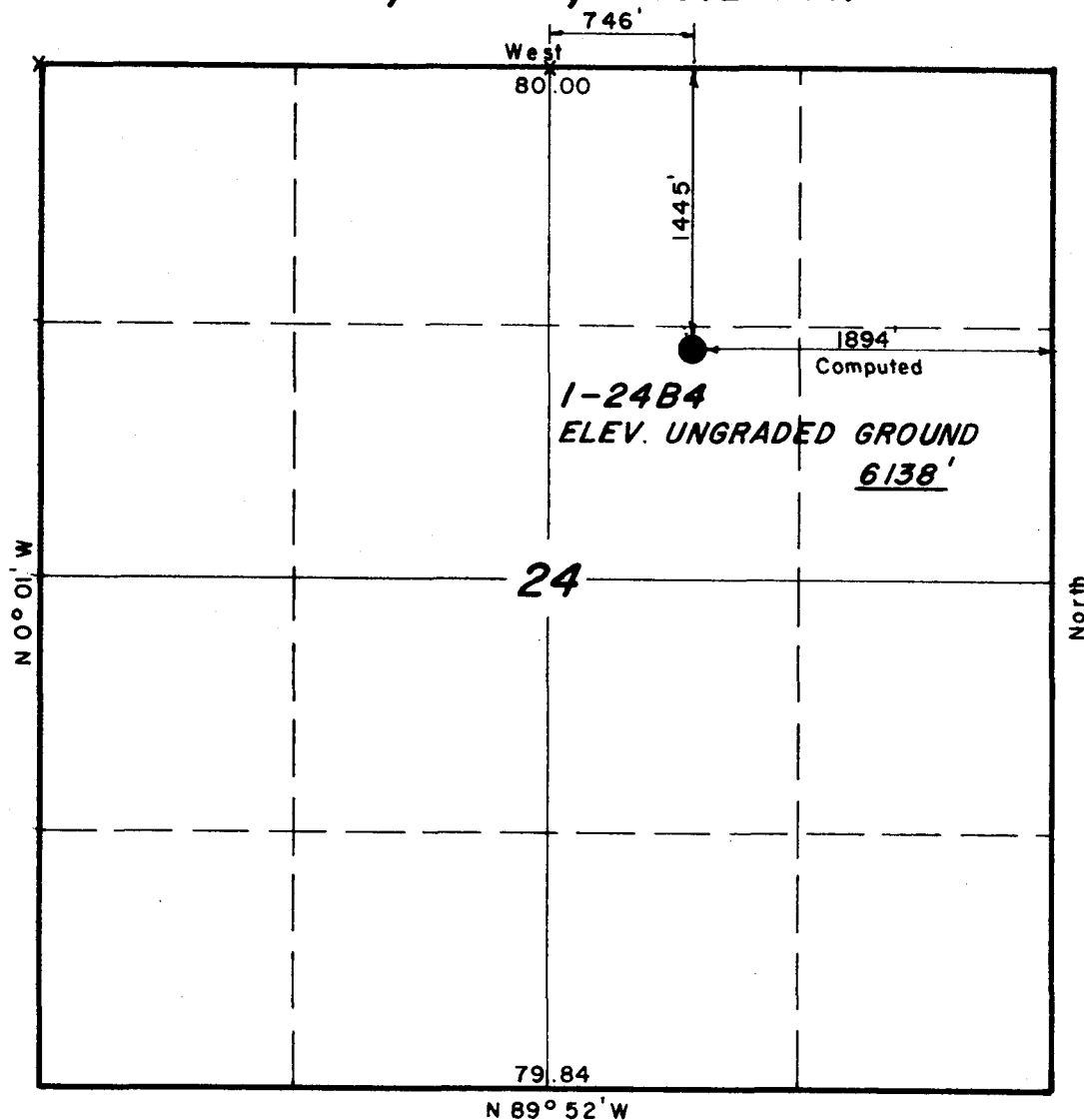
Approved by

Title

Date

Conditions of approval, if any:

**T2S, R4W, U.S.B.&M.**



X = Section Corners Located

PROJECT  
**SHELL OIL COMPANY**

Well location located as shown  
in the SW 1/4 NE 1/4 Section 24,  
T2S, R4W, U.S.B.&M. Duchesne  
County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 5 April, 1973
PARTY G.S. H.M.	REFERENCES GLO Plat
WEATHER Cold - Cloudy	FILE SHELL 1973

Mud System Monitoring Equipment

Equipment will be installed (with derrick floor indicators) and used throughout the period of drilling after setting and cementing intermediate string or upon reaching a depth at which abnormal pressures could occur.

BOP Equipment

300-TD - 3-ram type BOP's and 1 bag type  
5000# working pressure

Tested when installed. Operative every trip and tested to 5,000 psi every 14 days. All information recorded on Tour sheets and daily drilling wire.

Mud

Surface - 10,000' - Clear water  
Circulate reserve pit  
Flocculate as necessary

10,000'-TD - TD - Weighted gel chemical



June 11, 1973

Shell Oil Company  
1700 Broadway  
Denver, Colorado

Re: Well No's:  
✓ Shell-Gulf-Brotherson #1-24B4  
Sec. 24, T. 2 S, R. 4 W,  
Shell-Duncan-Murdock #1-34B5  
Sec. 34, T. 2 S, R. 5 W,  
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 139-3/139-4.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API numbers assigned to these wells are:

#1-24B4:	43-013-30229
#1-34B5:	43-013-30230

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLSON B. FEIGHT  
DIRECTOR

CBF:s

STATE OF UTAH

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

## OIL &amp; GAS CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. <b>Patented</b>	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>Shell Oil Company</b>				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>1700 Broadway, Denver, Colorado 80202</b>				8. FARM OR LEASE NAME <b>Brotherson</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>1445' FNL and 1894' FEL SW/4 NE/4 Section 24</b> At top prod. interval reported below At total depth				9. WELL NO. <b>1-24B4</b>	
14. PERMIT NO. <b>43-013-30229</b> DATE ISSUED <b>6/11/73</b>				10. FIELD AND POOL, OR WILDCAT <b>Altamont</b>	
15. DATE SPURRED <b>6/24/73</b> 16. DATE T.D. REACHED <b>8/5/73</b> 17. DATE COMPL. (Ready to prod.) <b>12/3/73</b>				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <b>SW/4 NE/4 Section 24-T2S-R4W</b>	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>6165 KB, 6138 GL</b>				12. COUNTY OR PARISH <b>Duchesne</b> 13. STATE <b>Utah</b>	
20. TOTAL DEPTH, MD & TVD <b>12,300</b> 21. PLUG, BACK T.D., MD & TVD <b>12,270</b> 22. IF MULTIPLE COMPL., HOW MANY* <b>-</b>				19. ELEV. CASINGHEAD <b>6135</b>	
23. INTERVALS DRILLED BY <b>→</b> 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <b>10,711-12,228 (gross interval)</b>				25. WAS DIRECTIONAL SURVEY MADE <b>No</b>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>DIL, CNL-FDC-GR, BHCS-GR</b>				27. WAS WELL CORED <b>No</b>	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	68#	308'	17-1/2"	500 cu ft	0
9-5/8"	40#	6,000'	12-1/4"	950 cu ft	0
7"	26#	10,703'	8-3/4"	508 cu ft	0
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	CEMENT*	SCREEN (MD)	
5"	10,610'	12,298'	225 cu ft	-	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2-7/8"	10,629'	10,595'			
31. PERFORATION RECORD (Interval, size and number)					
10,711-12,228 (116 perforations)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
10,711-12,228			36,300 gal 15% HCl		
33.* PRODUCTION					
DATE FIRST PRODUCTION <b>12/15/73</b>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <b>Flowing</b>			WELL STATUS (Producing or shut-in) <b>Producing</b>
DATE OF TEST <b>11/17/74</b>	HOURS TESTED <b>24</b>	CHOKE SIZE <b>15/64</b>	PROD'N. FOR TEST PERIOD <b>→</b>	OIL—BBL. <b>93</b>	GAS—MCF. <b>173</b>
WATER—BBL. <b>0</b>		GAS-OIL RATIO <b>1860</b>			
FLOW. TUBING PRESS. <b>250/24 HMD</b>	CASING PRESSURE <b>-</b>	CALCULATED 24-HOUR RATE <b>→</b>	OIL—BBL. <b>93</b>	GAS—MCF. <b>173</b>	WATER—BBL. <b>0</b>
OIL GRAVITY-API (CORR.) <b>44.3</b>					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Altamont Gas Plant</b>					TEST WITNESSED BY
35. LIST OF ATTACHMENTS <b>Well History</b>					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <b>L.S. Mize</b>		TITLE <b>Division Operations Engr.</b>		DATE <b>12/10/74</b>	

\* (See Instructions and Spaces for Additional Data on Reverse Side)

2 cc: USGS (for information)

Gulf Oil Corporation

## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form. see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

### 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

[illegible]

## 38.

## GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
TGR <sub>3</sub>	8,770	
M <sub>1</sub>	10,409	
Wasatch	10,747	
M <sub>3</sub>	11,550	

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. (RRD 10/15/73). Prep to AT.  
MI&RU OWP on 11/27/73. Depths to 10,700 refer to  
CNL-FDC log (run #1) and depths below 10,700 refer to  
CNL-FDC log (run #2). Perf'd 1 hole each unidirection-  
ally using magnetic decentralized 2" steel tube carrier  
gun w/JRC-DP Sidewinder charges. Run #1: 10,711,  
10,712, 10,719, 10,720, 10,721, 10,749, 10,750, 10,751,  
10,761, 10,762, 10,763, 10,764, 10,775, 10,776, 10,797,  
10,798, 10,799, 10,800, 10,831, 10,832, 10,837, 10,838,  
10,839, 10,875, 10,876, 10,877, 10,878. Press from 930  
to 1550 psi. Run #2: 10,958, 10,959, 10,960, 10,974,  
10,975, 10,976, 10,977, 11,005, 11,006, 11,062, 11,063,  
11,064, 11,075, 11,076, 11,083, 11,084, 11,085, 11,138,  
11,139, 11,151, 11,152, 11,153, 11,154, 11,155, 11,156,  
11,225, 11,226, 11,227, 11,249, 11,250, 11,251, 11,292,  
11,293, 11,294, 11,350, 11,351, 11,352, 11,417, 11,418,  
11,419, 11,447, 11,448, 11,449, 11,450, 11,451. Press  
from 2260 to 2220 psi. Run #3: 11,558, 11,559, 11,560,  
11,575, 11,576, 11,577, 11,585, 11,586, 11,622, 11,623,  
11,688, 11,689, 11,690, 11,691, 11,709, 11,710, 11,747,  
11,748, 11,749, 11,750, 11,804, 11,805, 11,806, 11,807,  
11,841, 11,842, 11,843, 11,844, 11,849, 11,850, 11,851,  
11,852, 11,929, 11,930, 11,942, 11,943, 11,985, 11,986,  
12,142, 12,143, 12,144, 12,145, 12,227, 12,228. Press  
gauge froze off. RD OWP. (Perf'd total of 116 holes.)  
Did not perf 10,623, 10,624, 10,627, 10,628 - in liner  
top. NOV 28 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner at 12,298'

TD 12,300. PB 12,270. Prep to flow to clean up.  
TP 2200. MI & RU BJ 11-28-73. Acid treated gross  
perfs 10,711-12,228 w/36,300 gal 15% HCl, each 1,000  
gal contained 3 gal G-10, 3 gal C-15, 3 gal J-22,  
30# OS-160 Wide-Range Unibeads and 30# OS-160 Button  
Unibeads. Flushed w/3820 gal fresh water. Each 1,000  
gal contained 165# NaCl and 3 gal G-10. Pmpd  
acid as follows: Pmpd 24 bbls acid, dropped 1 7/8"  
RCN ball sealer (1.24 gv), pmpd 7 bbls acid, repeated  
1 ball and 7 bbls acid 119 times. Pmpd flush.  
Max 10,000, avg 7900, min - 4600. Max B/M -  
9, Avg 6, min - 1. ISIP 5200, to 5200 in 20  
min. Several breaks from 400-2,000 psi w/756 bbls  
and 97 balls on formation, SD; press 10,000. SD  
7 min. Press dropped to 4700. Pmpd remainder of  
acid and flush from 1-7 1/2 B/M. NOV 29 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. Prep to flow. SI on 11/29 - no  
burn permit.

NOV 30 1973

FORM OGC-8-X  
File in Quadruplicate

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\*\*\*\*\*

Well Name and Number Brotherson 1-24B4  
Operator Shell Oil Company  
Address 1700 Broadway  
Denver, Colorado 80202  
Contractor Parker Drilling Company  
Address 518 National Bank of Tulsa  
Tulsa, Oklahoma 74103  
Location SW 1/4, NE 1/4; Sec. 24; T. 2 ~~N~~<sub>S</sub> R. 4 ~~E~~<sub>W</sub>, Duchesne County.

Water Sands:

Depth:	Volume:	Quality:
From - To -	Flow Rate or Head -	Fresh or Salty -

1. GR log run from 5999 to TD
2. No water zones tested or evaluated.
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

(Continue on Reverse Side of Necessary)

Formation Tops:

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
  - (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

WESTERN E&P REGION  
ROCKY MOUNTAIN DIVISION  
WATER ANALYSIS REPORTLABORATORY NUMBER A-238  
SAMPLE TAKEN \_\_\_\_\_  
SAMPLE RECEIVED 10-12-73  
RESULTS REPORTED Shell Oil Co.Sec. 24-1S-4W

## SAMPLE DESCRIPTION

COMPANY \_\_\_\_\_ LEASE \_\_\_\_\_ FIELD NO. 1-24B4  
SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RGE. \_\_\_\_\_ SUR. \_\_\_\_\_ WELL NO. \_\_\_\_\_  
DISTRICT \_\_\_\_\_ FIELD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
SAMPLE TAKEN FROM \_\_\_\_\_  
PRODUCING FORMATION Wasatch TOP \_\_\_\_\_  
REMARKS \_\_\_\_\_

SAMPLE TAKEN BY \_\_\_\_\_

## CHEMICAL AND PHYSICAL PROPERTIES

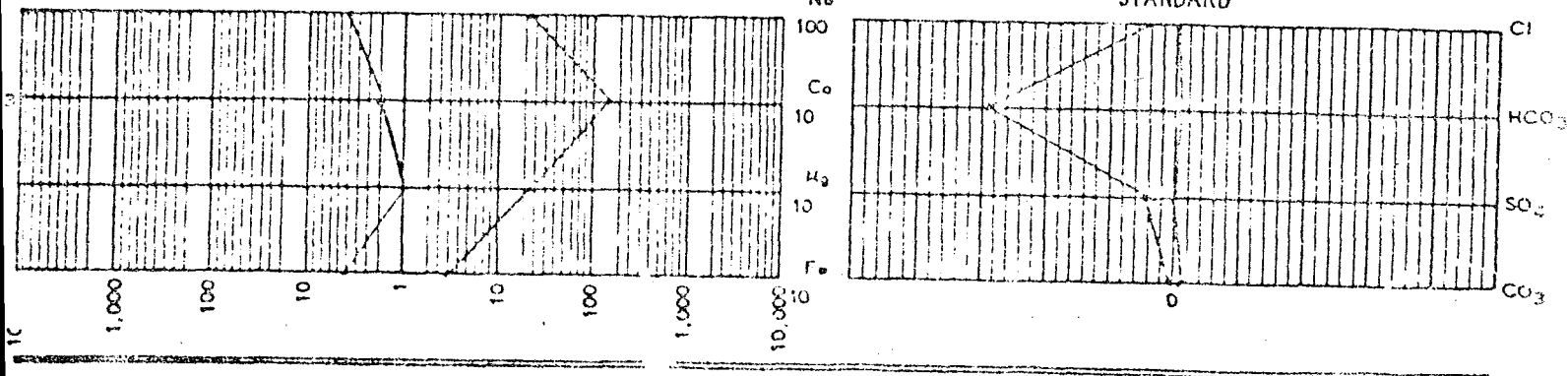
SPECIFIC GRAVITY @60/60° F. \_\_\_\_\_ pH 10.3 RES. 4.0 OHM METERS @ 77°FTOTAL HARDNESS Mg/L as CaCO<sub>3</sub>TOTAL ALKALINITY Mg/L as CaCO<sub>3</sub> 442

CONSTITUENT	MILLIGRAMS PER LITER Mg/L.	MILLEQUIVALENTS PER LITER MEQ/L	REMARKS
CALCIUM - Ca ++	2920	146	Contained barite but essentially no dissolved barium or sulfate.
MAGNESIUM - Mg ++	250	21	
SODIUM - Na +	520	23	
BARIUM (INCL. STRONTIUM) - Ba ++	--	--	Barium was determined
TOTAL IRON - Fe ++ AND Fe +++	102	4	after barite removed by
BICARBONATE - HCO <sub>3</sub> -	132	2	flocculation.
CARBONATE - CO <sub>3</sub> --	310	5	Values for alkali and
SULFATE - SO <sub>4</sub> --	0	--	alkaline earth metals are
CHLORIDE - CL -	183	5	suspect but there was
TOTAL DISSOLVED SOLIDS	6080		insufficient sample to
			double check. Sorry.

MILLEQUIVALENTS PER LITER

LOGARITHMIC

STANDARD



ANALYST \_\_\_\_\_

CHECKED \_\_\_\_\_

## CASING AND CEMENTING

Field	Altamont		Well	Brotherson 1-24B4			
Job:	5"	" O.D. <del>xxxx</del> Liner.	Ran to	12,298	feet (KB) on	8/9	, 1973
Jts.	Wt.	Grade	Thread	New	Feet	From	To
						<del>xxx</del> RT	CHF 28.00
Top of liner						<del>xxx</del> RT	10,610.00
Burns Plain Hanger				x	7.73	10,610.00	10,617.73
38	18#	N-80	SFJ-P	x	1592.34	10,617.73	12,210.07
Baker Diff Fill Collar				x	1.86	12,210.07	12,211.93
2	18#	N-80	SFJ-P	x	83.84	12,211.93	12,295.77
Baker Diff Fill Shoe				x	2.25	12,295.77	12,298.02

### Casing Hardware:

Float shoe and collar type Baker diff fill shoe and collar

Centralizer type and product number 12 B&W, Ser. 12005

Centralizers installed on the following joints Shoe it and every 3rd it

Other equipment (liner hanger, D.V. collar, etc.)

Cement Volume:

Caliper type BHCS-GR . Caliper volume 154 ft<sup>3</sup> + excess over caliper  
                     ft<sup>3</sup> + float collar to shoe volume 12 ft<sup>3</sup> + liner lap 8 ft<sup>3</sup>  
+ cement above liner 42 ft<sup>3</sup> = 275 ft<sup>3</sup> (Total Volume).

**Cement:**

Preflush—Water 5 bbls, other \_\_\_\_\_ Volume \_\_\_\_\_ bbls

First stage, type and additives      Class "G" Neat retarded 4 hrs

. Weight \_\_\_\_\_ lbs/gal, yield \_\_\_\_\_

ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_ °F.

### Second stage, type and additives

ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_ °F. . Weight \_\_\_\_\_ lbs/gal, yield \_\_\_\_\_

ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_ °F.

### Cementing Procedure:

~~Reciprocate~~ While circ btms up

Displacement rate 3 B/M

Percent returns during job

Bumped plug at 12:10 AM/PM with 3000 psi. Bled back 1-1/2 bbls. Hung csg with 22,000 lbs on slips.

with 22,000 lbs on slips.

## Remarks:

Drilling Foreman W. F. Bangs  
Date 8/9/73

# CASING AND CEMENTING

Field Altamont Well Brotherson 1-24B4  
Job: 7 " O.D. Casing ~~1000~~ Ran to 10,703 feet (KB) on 7/26, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						<del>RT</del> RT	CHF 28.00
232	26#	RS-95	8rd	Yes	9576.57	<del>CH</del> RT	9,576.57
24	26#	P-110	8rd	Yes	1037.52	9,576.57	10,614.09
Howco Differential Fill Collar					1.95	10,614.09	10,616.04
2	26#	P-110	8rd	Yes	85.15	10,616.04	10,701.19
Howco Differential Fill Shoe					2.45	10,701.19	10,703.64

## Casing Hardware:

Float shoe and collar type Halliburton Differential Fill Shoe and Collar

Centralizer type and product number 4 Halliburton

Centralizers installed on the following joints 1st, 3rd, 6th and 9th jts

Other equipment (liner hanger, D.V. collar, etc.)

## Cement Volume:

Caliper type \_\_\_\_\_ Caliper volume \_\_\_\_\_ ft<sup>3</sup> + excess over caliper  
\_\_\_\_\_ ft<sup>3</sup> + float collar to shoe volume \_\_\_\_\_ ft<sup>3</sup> + liner lap \_\_\_\_\_ ft<sup>3</sup>  
+ cement above liner \_\_\_\_\_ ft<sup>3</sup> = \_\_\_\_\_ ft<sup>3</sup> (Total Volume).

## Cement:

Preflush—Water 10 bbls, other \_\_\_\_\_ Volume \_\_\_\_\_ bbls

First stage, type and additives BJ Lite w/0.5% D-31

Weight 12.3 lbs/gal, yield 266

ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability 4 hours at 205 °F.

Second stage, type and additives Class "G" w/1% D-31

Weight 15.8 lbs/gal, yield 242

ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability 4 hours at 205 °F.

## Cementing Procedure:

~~Rotate~~/reciprocate \_\_\_\_\_

Displacement rate 7 B/M

Percent returns during job 85-90%

Bumped plug at 11:35 ~~XXX~~ PM with 2000 psi. Bled back 1-1/4 bbls. Hung csg  
with 240,000 lbs on slips.

## Remarks:

Circ out 20' of fill to btm.

Drilling Foreman W. F. Bangs  
Date 7/26/73



# CASING AND CEMENTING

Field Altamont Well Brotherson 1-24B4  
Job: 9-5/8 " O.D. Casing ~~XXXX~~ Ran to 6000 feet (KB) on 7/11, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						<del>KB</del> RT	CHF 28.00
141	40#	K-55	ST&C	Yes	5914.10	<del>KB</del> RT	5914.10
Baker Flex-Fill Insert Valve							
2	40#	K-55	ST&C	Yes	85.10	5914.10	5999.20
Baker Plain Guide Shoe					1.20	5999.20	6000.40

## Casing Hardware:

Float shoe and collar type Baker Plain Guide Shoe, Insert Fillup Valve

Centralizer type and product number 3 - B&W

Centralizers installed on the following joints 1st jt, 3rd jt and 5th jt

Other equipment (liner hanger, D.V. collar, etc.)

## Cement Volume:

Caliper type \_\_\_\_\_ Caliper volume \_\_\_\_\_ ft<sup>3</sup> + excess over caliper  
\_\_\_\_\_ ft<sup>3</sup> + float collar to shoe volume \_\_\_\_\_ ft<sup>3</sup> + liner lap \_\_\_\_\_ ft<sup>3</sup>  
+ cement above liner \_\_\_\_\_ ft<sup>3</sup> = \_\_\_\_\_ ft<sup>3</sup> (Total Volume).

## Cement:

Preflush—Water 80 bbls, other \_\_\_\_\_ Volume \_\_\_\_\_ bbls

First stage, type and additives BJ Lite

ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability 4 hours at 135 °F. Weight 12.4 lbs/gal, yield 750

Second stage, type and additives Class "G"

ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_ °F. Weight 15.7 lbs/gal, yield 200

## Cementing Procedure:

~~XXXX~~/reciprocate \_\_\_\_\_

Displacement rate 8.7 bbls/min

Percent returns during job 100%

Bumped plug at 11:52 AM with 1500 psi. Bled back 3/4 bbls. Hung csg with 200,000 lbs on slips.

## Remarks:

Drilling Foreman W. F. Bangs  
Date 7/11/73

# CASING AND CEMENTING

Field Altamont Well Brotherson 1-24B4  
Job: 13-3/8 " O.D. Casing/Liner Ran to 308 feet (KB) on 6/24, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF
8	68#	K-55	ST&C	Yes	313.50	CHF	308

## Casing Hardware:

Float shoe and collar type Howco Plain Guide Shoe

Centralizer type and product number 2 Centralizers

Centralizers installed on the following joints

Other equipment (liner hanger, D.V. collar, etc.)

## Cement Volume:

Caliper type \_\_\_\_\_ Caliper volume \_\_\_\_\_  $\text{ft}^3$  + excess over caliper  
\_\_\_\_\_  $\text{ft}^3$  + float collar to shoe volume \_\_\_\_\_  $\text{ft}^3$  + liner lap \_\_\_\_\_  $\text{ft}^3$   
+ cement above liner \_\_\_\_\_  $\text{ft}^3$  = \_\_\_\_\_  $\text{ft}^3$  (Total Volume).

## Cement:

Preflush—Water \_\_\_\_\_ bbls, other \_\_\_\_\_ Volume \_\_\_\_\_ bbls

First stage, type and additives 300 cu ft BJ Light w/3% CaCl2

$\text{ft}^3/\text{sk}$ , volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_  $^{\circ}\text{F}$ . Weight \_\_\_\_\_ lbs/gal, yield \_\_\_\_\_

Second stage, type and additives 200 cu ft Class "G" w/3% CaCl2

$\text{ft}^3/\text{sk}$ , volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_  $^{\circ}\text{F}$ . Weight \_\_\_\_\_ lbs/gal, yield \_\_\_\_\_

## Cementing Procedure:

Rotate/reciprocate \_\_\_\_\_

Displacement rate \_\_\_\_\_

Percent returns during job 25 bbls to surface

Bumped plug at 11:55 ~~XXX~~ PPM with \_\_\_\_\_ psi. Bled back \_\_\_\_\_ bbls. Hung csg with \_\_\_\_\_ lbs on slips.

## Remarks:

Used top rubber plug

Drilling Foreman C. L. Christiansen  
Date 6/25/73

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. (RRD 1/17/74). OIL WELL COMPLETE.  
On 24-hr test 11/17/74, flwd 93 BO, no wtr and 173 MCF  
gas (GOR 1860) through 15/64" chk w/250 psi FTP from  
Wasatch perfs 10,711, 10,712, 10,719, 10,720, 10,721,  
10,749, 10,750, 10,751, 10,761, 10,762, 10,763, 10,764,  
10,775, 10,776, 10,797, 10,798, 10,799, 10,800, 10,831,  
10,832, 10,837, 10,838, 10,839, 10,875, 10,876, 10,877,  
10,878, 10,958, 10,959, 10,960, 10,974, 10,975, 10,976,  
10,977, 11,005, 11,006, 11,062, 11,063, 11,064, 11,075,  
11,076, 11,083, 11,084, 11,085, 11,138, 11,139, 11,151,  
11,152, 11,153, 11,154, 11,155, 11,156, 11,225, 11,226,  
11,227, 11,249, 11,250, 11,251, 11,292, 11,293, 11,294,  
11,350, 11,351, 11,352, 11,417, 11,418, 11,419, 11,447,  
11,448, 11,449, 11,450, 11,451, 11,558, 11,559, 11,560,  
11,575, 11,576, 11,577, 11,585, 11,586, 11,622, 11,623,  
11,688, 11,689, 11,690, 11,691, 11,709, 11,710, 11,747,  
11,748, 11,749, 11,750, 11,804, 11,805, 11,806, 11,807,  
11,841, 11,842, 11,843, 11,844, 11,849, 11,850, 11,851,  
11,852, 11,929, 11,930, 11,942, 11,943, 11,985, 11,986,  
12,142, 12,143, 12,144, 12,145, 12,227, 12,228.  
Oil Gravity: 44.3 deg at 60 deg.

Compl Test Date: 11/17/74. Initial Prod Date: 12/15/73.  
Elev: 6165' KB, 6138' GL

Log Tops:	TGR3	8,770	(-2605)
	M1	10,409	(-4244)
	WASATCH	10,747	(-4582)
	M3	11,550	(-5385)

This well was drilled for routine development. NOV 19 1974  
FINAL REPORT.

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. SI.

JAN 11 1974

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. SI.

JAN 14 1974

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. SI.

JAN 15 1974

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. SI.

JAN 16 1974

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. SI. (RDUFA)

JAN 17 1974

Shell-Gulf-Brotherson TD 12,300. PB 12,270. SI. JAN 2 1973  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

Shell-Gulf-Brotherson TD 12,300. PB 12,270. SI. JAN 2 1973  
1-24B4  
(D) 12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

Shell-Gulf-Brotherson TD 12,300. PB 12,270. SI. JAN 4 1974  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

Shell-Gulf-Brotherson TD 12,300. PB 12,270.  
1-24B4 1/5: SI.  
(D) 1/6: No report. JAN 7 1974  
12,300' Wasatch Test 1/7: No report.  
KB 6165', GL 6138'  
5" liner @ 12,298'

Shell-Gulf-Brotherson TD 12,300. PB 12,270. JAN 8 1974  
1-24B4 1/6: SI.  
(D) 12,300' Wasatch Test 1/7: SI.  
KB 6165', GL 6138' 1/8: SI.  
5" liner @ 12,298'

Shell-Gulf-Brotherson TD 12,300. PB 12,270. SI. JAN 9 1974  
1-24B4  
(D) 12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

Shell-Gulf-Brotherson TD 12,300. PB 12,270. SI. JAN 10 1974  
1-24B4  
(D) 12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. Flowing. On 24-hr test, flwd  
82 BO, 7 BW and 255 MCF gas on 8-24/64" chk w/500 psi  
FTP and zero CP.

DEC 20 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. Flowing. On 24-hr test, flwd  
148 BO, 10 BW and 285 MCF gas on 8-64/64" chk w/450  
psi FTP and zero CP.

DEC 21 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. 12,270. Flowing. On 24-hr tests, flwd  
as follows:

Rpt Date	BO	BW	MCF Gas	Chk	FTP	CP
12/22	114	10	214	8-64/64"	450	0
12/23	103	10	214	8-64/64"	425	0
12/24	62	5	168	8-64/64"	400	0
12/25	114	10	174	8-64/64"	400	0
12/26	72	0	153	8-64/64"	400	0

DEC 26 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. Flowing. On 24-hr test, flwd  
51 BO, no wtr and 175 MCF gas on 8-24/64" chk w/1000  
psi FTP and zero CP.

DEC 27 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. Flowing. On 24-hr test, flwd 83  
BO, no wtr and 153 MCF gas on 8-64/64" chk w/1400 psi  
FTP and zero CP.

DEC 28 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270.  
12/29: SI. On 24-hr test, flwd 93 BO, no wtr and 153  
MCF gas on 16-64/64" chk w/1300 psi FTP and zero CP.  
12/30 and 12/31: SI.

DEC 31 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270.

12/1: SI for BHP. TP 3150 psi. Flwd to pit 6 hrs on 64/64" chk, flwg est 140 BW and 40 BO, GOR 900, w/TP from zero to 50 psi. SI 30 min, TP 200 psi. Opened well on 64/64" chk, flwg est 4 bbls in 1 hr, cut 50% wtr, w/press from 50 to 200 psi. Well flwg by heads. SI @ 4:30 PM. Pmpd 25 bbls diesel down tbg - first 4 bbls 100 psi, last 21 bbls well on vac. Ran tandem bombs w/10,000# press element w/72-hr clock w/250° thermometer. Ran bombs to 11,400'. Will pull at 1 PM, 12/3.

12/2: SI for BHP. DEC 3 1973

12/3: SI for BHP.

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. SI. Pulled BHP bomb on 12/3, making gradient stops @ 11,200 and 11,600. Press's as follows:

Time-Hrs	BHP-psi
0	4380
1	4860
6	6450
40-66½	7760

DEC 4 1973

TP 3350 psi. (RDUFA)

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. (RRD 12/4/73). Flowing. On 24-hr tests, flwd as follows: (First production) DEC 17 1973

Rpt Date	BO	BW	MCF Gas	Chk	FTP	CP
12/16	259	50	356	64-64/64"	300	0
12/17	92	6	211	8-64/64"	500	0

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. Flowing. On 24-hr test, flwd 124 BO, 10 BW and 211 MCF gas on 8-64/64" chk w/450 psi FTP and zero CP. DEC 18 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270. Flowing. On 24-hr test, flwd 103 BO, 8 BW and 253 MCF gas on 8-64/64" chk w/500 psi FTP and zero CP. DEC 19 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Western Oilwell  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,260. Pulling tbg. Finished circ out  
hvy gelled mud. Ran bit to PBDT @ 12,260. Flushed 250  
gal B-J Mud Flush followed by 500 BFW. SI and observed  
for flowback. Press tested to 5000 psi, OK. Sptd 35  
bbls 2% NaCl in liner and started pulling tbg.

00113 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,270 (corrected).

10/13: Installing tbg spool. Finished pulling tbg,  
laying down bit, scraper and work string. RU OWP.  
Ran CBL-VDL from 12,270 (PBDT) to 8700. Held 3000 psi  
on csg while running logs. Cmt top @ 8820 - bonding  
good. Ran PDC log from 12,270-8700. Set Baker Model  
"D" pkr w/flapper w/top @ 10,595. RD OWP. RU csg crew  
and ran 107 jts 5 1/2" 14#, K-55 csg w/Type I turned-down  
cplgs w/tail @ 4529. RD csg crew.

10/14: Running prod eqmt. Installed BPV, removed BOP,  
installed 10" 5000 psi x 6" 5000 psi tbg spool, installed  
BOP and removed BPV. Tested to 5000 psi. Started running  
prod eqmt.

10/15: SI. Finished running prod eqmt as follows:  
Baker Model "C" plug holder w/Model "B" pushout plug in  
place - tested to 7500 psi in both directions, w/tail @  
10,629, 30' x 2-7/8" NU 10rd non-perf'd prod tube, Baker  
anchor seal assembly w/2 seal units, Baker "EL" on-off  
connector w/Otis 2.313" N-nipple w/2.255" no-go w/top @  
10,589, 4' sub w/7" centralizer @ 10,585, 3 jts tbg,  
mandrel #44HO-6-6 w/top @ 10,484, 25 jts tbg, mandrel  
#17HO-6-7 w/top @ 9689, 22 jts tbg, mandrel #15HO-6-1  
w/top @ 8988, 25 jts tbg, mandrel #13HO-6-7 w/top @ 8193,  
38 jts tbg, mandrel #10HO-6-7 w/top @ 6987, 53 jts tbg,  
mandrel #3HO-6-1 w/top @ 5307, 76 jts tbg, mandrel  
#2HO-6-1 w/top @ 2902, 92 jts tbg, two 10' subs, and 1  
jt tbg. All tbg and subs 2-7/8" EUE, 8rd, N-80 and all  
mandrels Camco KBMG w/Type B dummies w/KB-2 latches.  
Spaced out tbg and landed same. Unlatched from on-off  
connector, circ fresh trtd wtr in annulus and sptd 2%  
NaCl in tbg. Landed tbg w/2000# set-down wt. Tested  
tbg to 7500 psi for 1 hr, losing 60 psi. Installed BPV,  
removed BOP, installed 10,000# Xmas tree, removed BPV  
and tested tree to 10,500#, OK. Released rig on 10/14/73.  
RU Sun Wt Service and knocked out Baker plug and followed  
to PBDT. (Reports discontinued until further activity)

00115 1973



Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
5" liner @ 12,298'

8/11: 12,300/54/49/0. Drilling cmt. WOC 11 hrs.  
Tripped in and tagged cmt @ 9965.  
Mud: (.795) 15.3 x 48 x 6.0  
8/12: 12,300/54/50/0. Drilling cmt in 5" liner.  
Drld cmt above lap. Tested lap to 1600 psi for 15  
min, OK. Circ and pmpd pill. Tripped in and drld  
on packing in hanger. Drld cmt in 5" liner @ 12,119.  
Found FC @ 12,210.  
Mud: (.795) 15.3 x 48 x 6.0  
8/13: 12,300/54/51/0. PB 12,260. Going in w/3½" DP  
to lay down. Drld cmt to 12,260. Press tested liner  
to 1600 psi for 15 min, OK. Circ btms up. Went in  
hole slowly to 10,400 w/M&M sqz tool. Inflow tested  
as follows:

Depth	Press	Time	Test
10,400	-	30 min	OK
8,000	2800#	15 min	OK
5,300	3600#	15 min	OK
2,500	4500#	15 min	OK

Laid down M&M tool and six 4-3/4" DC's.  
Mud: (.795) 15.3

AUG 13 1973

Shell-Gulf-Brotherson  
1-24B4  
(D)  
12,300' Wasatch Test  
KB 6165'  
5" liner @ 12,298'

TD 12,300. PB 12,260. RDRT. Laid down 3½" DP.  
Nippled down BOP. Set BOP and tbg spool. Released  
rig @ 9 PM, 8/13/73. (RDUFA)

AUG 14 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Western Oilwell  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,260. (RRD 8/14/73). RU. MI and  
started RU Western Oilwell Service rig #17 on 10/8/73.  
OCT 9 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Western Oilwell  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,260. Picking up tbg. Finished RU.  
Installed and tested BOP to 5000 psi, OK. Picked up  
4-1/8" bit, 1660' of 2-7/8" tbg work string and 7" csg  
scraper. WO new tbg 3 hrs. Unloaded and tallied tbg  
and started picking up new tbg. OCT 10 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Western Oilwell  
12,300' Wasatch Test  
KB 6165', GL 6138'  
5" liner @ 12,298'

TD 12,300. PB 12,260. Circ through hvy-gelled mud.  
Ran bit to 10,610, top of liner. Hit hvy gelled mud.  
Broke circ 1 to 2 jts. Ran bit to 11,472 and circ  
out 15.3 ppg mud w/FW.  
OCT 11 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg @ 10,703'

8/4: 11,955/54/42/205. Drilling. Background gas: 50 units. Connection gas: 303-403 units. Max gas: 100 units.  
Mud: (.790) 15.2 x 44 x 5.4 (5#/bbl LCM) AUG 6 1973  
8/5: 12,139/54/43/184. Drilling. Background gas: 20 units. Connection gas: 300-400 units. Max gas: 200 units.  
Mud: (.795) 15.3 x 44 x 5.4 (5#/bbl LCM)  
8/6: 12,300/54/44/161. Circ. Background gas: 20 units. Connection gas: 500 units. Max gas: 100 units.  
Mud: (.795) 15.3 x 44 x 5.4 (5#/bbl LCM)

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg @ 10,703'

12,300/54/45/0. Schl stuck @ 10,829. Short tripped into shoe. Circ and cond mud for logs 5½ hrs. RU Schl and ran DIL and Sonic-GR twice. Stuck Sonic-GR @ 10,829 on second run. Short trip gas: 500 units. Background gas: 15 units. AUG 7 1973  
Mud: (.795) 15.3

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg @ 10,703'

12,300/54/46/0. Tripping in w/bit to CO. Worked stuck Schl tools. RU and ran strip over to top of fish @ 10,789, circ btms up and tripped out w/logging tool - full recovery. Background gas: 50 units. Trip gas: 700 units. AUG 8 1973  
Mud: (.795) 15.3 x 44 x 5.6 (5#/bbl LCM)

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg at 10,703'

12,300/54/47/0 Logging. Made trip into shoe. Circ and changed drlg line. Washed and reamed to btm. Circ and cond mud for logs. Trip gas 2000 units, BG gas 40.  
Mud: (.795) 15.3 x 43 x 5.6 (LCM 5#/bbl) AUG 9 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
5" liner hanger at 12,298'

12,300/54/48/0 Stage cementing. Ran logs as follows: CNL/FDC, BHCS-GR, and DIL. Circ and ran liner as follows: 40 jts (1683') 5" 18# FJP liner, top Burns plain hanger at 10,610, Bkr collar at 12,210, shoe at 12,298. BJ put 5 bbls water ahead, Cemented w/225 cu ft Class "G", picked up liner plug w/72 bbls. Bumped w/101 bbls.w/3,000 psi. Good circ. CIP 12:10 AM. AUG 10 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' wasatch Test  
KB 6165'  
7" csg @ 10,703'

10,705/54/34/0. Nippling up BOP's. Finished laying down 5" DP and 7" DC's. Ran 258 jts of 7", 26#, RS-95, P-110, LT&C csg w/Hal shoe @ 10,703 and FC @ 10,614. With 10 BW ahead, B-J cmtd w/266 cu ft B-J Lite w/0.5% D-31 followed by 242 cu ft Class "G" w/1% D-31. Bumped top plug w/407 bbls mud @ 2000 psi. Had 85-90% returns. CIP @ 11:35 PM, 7/26.  
Mud: (.624) 12.0 x 44 JUL 27 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg @ 10,703'

7/28: 10,705/54/35/0. Picking up 3½" DP. Finished nippling up. Changed out kellys. Yellow Jacket tested BOP's. Installed wear sleeve and started picking up DP.  
7/29: 10,729/54/36/23. Drilling. Singled in w/3½" DP. Drld FC, cmt and shoe. Tested csg to 3500 psi for 10 min, OK. Changed bit @ 10,717, washing 30' to btm.  
Mud: (.644) 12.4 x 43 x 7.4 (5#/bbl LCM)  
7/30: 10,907/54/37/179. Drilling. Background gas: 125 units. Connection gas: 165 units. Max gas: 180 units.  
Mud: (.660) 12.7 x 44 x 6.4 (5#/bbl LCM) JUL 30 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg @ 10,703'

11,126/54/38/219. Drilling. Background gas: 300 units. Connection gas: 750 units. Max gas: 1500 units.  
Mud: (.702) 13.5 x 44 x 5.6 (5#/bbl LCM) JUL 31 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg @ 10,703'

11,334/54/39/208. Drilling. Background gas: 150 units. Connection gas: 750 units. Max gas: 500 units.  
Mud: (.728) 14.0 x 43 x 5.4 (5.5#/bbl LCM)

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg @ 10,703'

11,541/54/40/207. Drilling. Background gas: 150 units. Connection gas: 1000-2000 units. Max gas: 500 units.  
Mud: (.769) 14.8 x 45 x 5.4 (5#/bbl LCM) AUG 2 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
7" csg @ 10,703'

11,750/54/41/209. Drilling. Background gas: 250-400 units. Connection gas: 2000 units. Max gas: 600 units.  
Mud: (.780) 15.0 x 45 x 5.4 (5#/bbl LCM) AUG 3 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
9-5/8" csg @ 6000'

9708/54/26/318. Drilling. Tripped in w/new bit and  
CO fill.

Mud: (.462) 8.9 x 38 x 10.8

JUL 19 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
9-5/8" csg @ 6000'

10,040/54/27/332. Drilling.

Mud: (.530) 10.2 x 40 x 8.4 (5#/bbl LCM)

JUL 20 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
9-5/8" csg @ 6000'

7/21: 10,100/54/28/60. Drilling. Dev: 2 1/4" @ 10,077.  
Circ 2 hrs. Broke jet in new bit when ball hit. Pulled  
and replaced jet. Background gas: 100 units. Trip gas:  
600 units.

Mud: (.535) 10.3 x 41 x 8.4 (4#/bbl LCM)

7/22: 10,330/54/29/230. Drilling. Lost 50 bbls mud  
on PM tour. Background gas: 100 units. Connection gas:  
700 units.

Mud: (.598) 11.5 x 44 x 7.2 (6.5#/bbl LCM) (2% oil)

7/23: 10,503/54/30/173. Drilling. Background gas:  
175 units. Connection gas: 225 units. Max gas: 4000  
units.

JUL 23 1973

Mud: (.618) 11.9 x 44 x 6.8 (6.5#/bbl LCM) (2% oil)

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
9-5/8" csg @ 6000'

10,665/54/31/162. Drilling. Lost complete returns while  
drilg @ 10,662 w/12 ppg mud. Pmpd in 300 bbls w/15#/bbl  
fine-med hulls and regained circ. Lost 500± bbls 12 ppg  
mud w/5#/bbl hulls. Background gas: 140 units. Connec-  
tion gas: 150 units. Max gas: 300 units.

Mud: (.624) 12.0 x 44 x 6.8 (12#/bbl LCM) (2% oil)

JUL 24 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
9-5/8" csg @ 6000'

10,705/54/32/40. Logging DIL. Circ 1 hr for logs.  
Circ out 10 singles on short trip - hole tight. Circ  
and washed to btm. Cond mud. Schl ran DIL twice -  
tool failed, now rerunning. Logger's depth 10,699.

Mud: (.624) 12.0 x 42 x 6.8 (12#/bbl LCM) (2% oil)

JUL 25 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
9-5/8" csg @ 6000'

10,705/54/33/0. Laying down DP. Ran DIL. Ran CNL-FDC-  
GR and BHCS-GR w/cal. Had numerous tool failures.  
Tripped in and washed 30' to btm. Trip gas saturated.

Background gas: 130 units.

Mud: (.624) 12.0 x 43

JUL 26 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
13-3/8" csg @ 308'

5877/54/17/307. Drilling.  
Mud: (.457) 8.8 x 34 x 8.8 JUL 10 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
13-3/8" csg @ 308'

6000/54/18/123. Running 9-5/8" csg. Made 10-std short trip. Circ and cond hole 4 hrs. Pulled out of hole and laid down BHA. Removed wear sleeve. JUL 11 1973  
RU and started running 9-5/8" csg. Dev: 1° 45' @ 6000'.

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
9-5/8" csg @ 6000'

6000/54/19/0. Picking up BHA. Ran 143 jts 9-5/8", 40#, ST&C, K-55 csg w/Baker insert @ 5914 and guide shoe @ 6000'. With 80 BW ahead, B-J cmdtd w/750 cu ft B-J Lite followed by 200 cu ft Class "G". Displaced top plug w/rig pump @ 1500 psi. Good returns. CIP @ 11:52 AM, 7/11/73. Nippled up and tested 9-5/8" csg hd to 2800 psi for 10 min, OK. Nippled up BOP's and Yellow Jacket tested same. Installed wear sleeve. JUL 12 1973

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
9-5/8" csg @ 6000'

6330/54/20/330. Drilling. Ran in w/bit. Tested csg to 2000 psi, OK. Tripped for new bit @ 6069. Cmdtd 9-5/8" x 13-3/8" annulus w/300 sx Class "G" w/3% CaCl<sub>2</sub> w/200 psi final pump press. JUL 13 1973  
Mud: Wtr

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
9-5/8" csg @ 6000'

7/14: 7080/54/21/750. Drilling.  
7/15: 7846/54/22/766. Drilling.  
7/16: 8545/54/23/699. Drilling. JUL 16 1973  
Mud: Wtr

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
9-5/8" csg @ 6000'

9020/54/24/475. Drilling. Dev: 1° 45' @ 8562. Changed bit @ 8562, washing and reaming 70' to btm. JUL 17 1973  
Mud: Wtr

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
KB 6165'  
9-5/8" csg @ 6000'

9390/54/25/370. Tripping for new bit. JUL 18 1973  
Mud: (.457) 8.8 x 32 x 12.6

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
13-3/8" csg @ 308'

6/30: 2994/54/7/189. Drilling. Dev: 3° @ 2831.  
Changed bit @ 2831. Reamed ledges from 822-840 and  
2010-2040. Reamed from 2157-2831.  
Mud: Wtr  
7/1: 3461/54/8/467. Drilling. JUL 2 1973  
Mud: Wtr  
7/2: 3992/54/9/531. Drilling.  
Mud: Wtr

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
13-3/8" csg @ 308'

4240/54/10/248. Drilling. Dev: 1° @ 4183. Tripped  
for new bit @ 4183. Washed to btm.. JUL 3 1973  
Mud: Wtr

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
13-3/8" csg @ 308'

7/4: 4938/54/11/698. Drilling.  
7/5: 5289/54/12/351. Prep to back off. Started out  
of hole - stuck pipe @ 4834. Attempted to circ. Bit  
plugged. Ran freepoint indicator - pipe stuck @ 4429,  
top of DC's. JUL 5 1973  
Mud: Wtr

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
13-3/8" csg @ 308'

5289/54/13/0. Fishing. Cond mud 5½ hrs. Strapped out  
of hole. Baked off 1 jt above DC. Top of fish @ 4402.  
Picked up and ran 5 jts 11" wash pipe and nine 7" DC's  
to 3090', washing bridge. Pulled out of hole, laying  
down wash pipe. Ran rerun bit to 3789. Washed to 3849.  
Fish in hole consists of: bit, roller reamer, shock  
sub, bit sub, DC, IBS, 2 DC's, IBS, 9 DC's, x-over sub  
and 1 jt HWDP. JUL 6 1973  
Mud: (.457) 8.8 x 61 x 7.0

Shell-Gulf-Brotherson  
1-24B4  
(D) Parker #116  
12,300' Wasatch Test  
13-3/8" csg @ 308'

7/7: 5289/54/14/0. Pulling out of hole. CO bridges  
and fill from 3790-4402, top of fish. Circ and cond  
mud. Ran in w/140' of wash pipe, jars and bumper sub.  
Washed over 4402-4542 and circ hole clean.  
Mud: (.457) 8.8 x 50 x 5.6  
7/8: 5289/54/15/0. Drilling. Finished pulling out of  
hole. Ran in w/jars and bumper sub and jarred on fish.  
Pulled out of hole w/fish - full recovery. Laid down  
wash pipe and fishing tools. Tripped in w/bit, washing  
and reaming from 4400-5289. JUL 9 1973  
Mud: (.457) 8.8 x 45  
7/9: 5570/54/16/281. Drilling. Dev: 1° @ 5289.  
Mud: (.468) 9.0 x 45 x 6.4

## NEW OIL WELL

ALTAMONT

SHELL OIL COMPANY

LEASE

BROTHERSON

WELL NO.

1-24B4

DIVISION

WESTERN

ELEV

6165 KB

COUNTY

DUCHESNE

STATE

UTAH

6/25/73 - 11/19/74

LOCATION

SW/4 NE/4 SECTION 24-T2S-R4W

UTAHALTAMONT

Shell-Gulf-Brotherson

1-24B4

(D) Parker #116

12,300' Wasatch Test

13-3/8" csg @ 308'

"FR" Located 1445' FNL and 1894' FEL (SW/4 NE/4)  
Section 24-T2S-R4W, Duchesne County, Utah.

Elev: 6138 GL (ungraded)

JUN 25 1973

Shell Working Interest: 93.75%

This is a routine Wasatch development well.

6/24: 80/54/1/80. Drilling. MI&RURT. Spudded  
17 1/2" hole @ 3:30 AM, 6/24/73.

Mud: (.478) 9.2 x 65

6/25: 308/54/2/228. Nippling up 13-3/8" csg. Dev:  
3/4" @ 147 and 0" @ 308. Ran 8 jts 13-3/8", K-55, 68#,  
ST&C csg to 308' and cmtd w/300 cu ft B-J Lightwt w/3%  
CaCl<sub>2</sub> (slurry 12.8 ppg) followed by 200 cu ft Class "G"  
w/3% CaCl<sub>2</sub>, top plug. Had 25 bbls returns @ sfc. CIP  
@ 11:55 PM, 6/24/73.

Mud: (.478) 9.2 x 54

JUN 25 1973

Shell-Gulf-Brotherson

1-24B4

(D) Parker #116

12,300' Wasatch Test

13-3/8" csg @ 308'

308/54/3/0. Prep to go in hole w/drlg assembly.

Nippled up csg and BOP's. JUN 26 1973

Shell-Gulf-Brotherson

1-24B4

(D) Parker #116

12,300' Wasatch Test

13-3/8" csg @ 308'

1150/54/4/842. Drilling. Tripped in w/BHA and drld  
plug, cmt and shoe. Laid down, straightened and picked  
up kelly (6 hrs). JUN 27 1973

Mud: Wtr

Shell-Gulf-Brotherson

1-24B4

(D) Parker #116

12,300' Wasatch Test

13-3/8" csg @ 308'

1968/54/5/818. Drilling. Tripped for new bit @  
1831. Washed and reamed to btm.

Mud: (.431) 8.33

JUN 28 1973

Shell-Gulf-Brotherson

1-24B4

(D) Parker #116

12,300' Wasatch Test

13-3/8" csg @ 308'

2805/54/6/837. Drilling. Dev: 1-3/4" @ 2091. Rotary  
hose broke after drlg 2 hrs. Pulled out of hole and  
changed hose. Laid down shock sub. Reamed to btm and  
resumed drlg. JUN 29 1973

Mud: Wtr

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Patented	
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290		7. UNIT AGREEMENT NAME Altamont	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1445' FNL & 1894' FEL Section 24		8. FARM OR LEASE NAME Brotherson	
14. PERMIT NO.		9. WELL NO. 1-24B4	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6138 GL		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/4 NE/4 Section 24-T2S-R4W	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) Mud AT <input checked="" type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> (Other) Mud AT <input checked="" type="checkbox"/>
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SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) Mud AT <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (Other) Mud AT <input checked="" type="checkbox"/>
--	--

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attachment

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: Sept. 19, 1977

BY: P. L. Russell

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Div. Ops. Engr.

DATE 9/16/77

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: USGS w/attachment

\*See Instructions on Reverse Side



## MUD ACID TREAT

SHELL-GULF

FROM: 3/25 - 9/2/77

LEASE BROTHERSON

DIVISION WESTERN

COUNTY DUCHESNE

ALTAMONT

WELL NO. 1-24B4

ELEV 6138 GL

STATE UTAH

UTAHALTAMONT

Shell-Gulf-

Brotherson 1-24B4

(Mud acid trtmt)

"FR" TD 12,300. PB 12,270. AFE #423747 provides funds for mud acid trtmt of perfs 10,711-12,228 (116 holes) w/500 gals 15% HCl & 3000 gals mud acid & 14 ball sealers. RU BJ. Loaded tbg w/60 bbls prod wtr & annulus w/300 bbls prod wtr. Est inj rate down tbg @ 3 B/M @ 4500# & holding 1500# on annulus. No communication of tbg thru gas lift valves w/annulus during trtmt. Max TP 4500 psi, min 3900, avg 4100. Max rate 3-1/2 B/M, min 2, avg 2-1/2. ISIP 3800 psi, 5 mins 3500, 10 mins 3300, 15 mins 3200. Hooked up well for gas inj. 3/23 Cleaned up well to pit w/gas lift. Prod approx 200 bbls mud & wtr to pit overnight. 3/24 Well flwd to pit on gas lift all day & still prod'g mud & wtr to pit. Will leave well prod'g to pit to clean up overnight.

MAR 25 1977

Shell-Gulf-

Brotherson 1-24B4

(Mud acid trtmt)

TD 12,300. PB 12,270. Flw'g well to pit on gas lift to clean up well. Still flw'g mud & wtr as of 6:30 a.m. 3/28/77. Prep to run Caliper survey to determine if we have bad pipe.

MAR 28 1977

Shell-Gulf-

Brotherson 1-24B4

(Mud acid trtmt)

TD 12,300. PB 12,270. RU Geotex to run caliper from PBTD to liner top @ 10,620. Found liner ok w/very little indication of scale. Ran tracer survey & found wtr entry from 10,788-10,791; 85 B/D 10,869 to 10,872 135 B/D. No movement below 10,872 to PBTD.

MAR 29 1977

Shell-Gulf-

Brotherson 1-24B4

(Mud acid trtmt)

TD 12,300. PB 12,270. No report.

MAR 30 1977

Shell-Gulf-

Brotherson 1-24B4

(Mud acid trtmt)

TD 12,300. PB 12,270. Surveying for mud inflow.

MAR 31 1977

Shell-Gulf-

Brotherson 1-24B4

(Mud acid trtmt)

TD 12,300. PB 12,270. Surveying for mud inflow.  
APR 01 1977

Shell-Gulf-

Brotherson 1-24B4

(Mud acid trtmt)

TD 12,300. PB 12,270. Surveying for mud inflow.

APR 02 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trtmt)

TD 12,300. PB 12,270. (Repor discontinued until  
further activity)

APR 05 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. (RRD 4/5/77) AFE #529547 provides  
funds to CO, isolate, reperf & stim. MI&RU WOW #12.  
Flwd off tbg & csg press. Circ'd well w/prod wtr. SI  
well for night.

JUN 29 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. SITP 1150#; SICP 1100#. Pmp'd  
150 bbls prod wtr down csg; csg dead & tbg flw'g  
intermittently. Installed & tested BOP's. PU tbg  
off donut & attempted to unlatch from pkr; could not.  
Released from on-off seal connector. Pmp'd 85 bbls  
prod wtr down tbg; tbg on vac & csg flw'g. Removed  
BPV & pmp'd pill down csg, but did not go to zero.  
SI well overnight.

JUN 30 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. SITP 1100#; SICP 900#. Circ'd  
well w/400 bbls prod wtr; considerable gas cut mud in  
returns. SI well. SITP 150#; SICP 200#. Displ'd  
prod wtr w/400 bbls 10#/gal SW while holding 300-500#  
on csg. Returns weighed 9.6#/gal. SI well 10 mins;  
SITP 100# & SICP 100#. Bullheaded 35 bbls 10# SW  
below pkr. Had 500# SITP & 500# SICP. Left well SI  
overnight.

JUL 01 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 7/1 12-hr SITP 400#; SICP 75#.  
Bled oil & gas off tbg, but well kept flw'g. Circ'd w/250  
bbls SW; tbg on vac. Csg flwd intermittently 10-15 mins &  
died. Pulled tbg & seal assy. Installed 10" BOP. 7/2  
Pulled 107 jts 5-1/2 heat string (4529'); circ'd w/10# SW  
twice before well dead. Ran Bkr DR plug & 7" full bore pkr  
to 5154. Set down, PU & RIH to 6435. SI well.

JUL 05 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. SITP & SICP 400#. Bled off press  
& pmp'd 40 bbls 10#/gal SW down tbg & tbg on vac. RIH  
w/pkr & DR plug. Plug @ 10,530. Chk'd 7" - 9-5/8"  
annulus press. SI @ 2000 psi. No valve; just Cameron  
chk valve. started bleeding off gas thru 1/2" needle  
valve. Bled off gas 2 hrs & started get'g blk oil.  
Press down to 1300 psi; bled off 1 hr. SI by closing  
Cameron chk valve. Removed needle valve & installed 1"  
ball valve. Opened well to pit 3 hrs & well flwd blk  
oil. Flw'g gas press down to 100 psi. SI well overnight.

JUL 06 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. SITP 680#. Pmp'd into tbg @  
600#, circ'd & killed well. Installed 2" 5000# valve  
on 9-5/8 csg hd. Set DR plug in Md1 D pkr @ 10,595 &  
tested to 4500# w/pkr set @ 10,495. Spt'd 2 sx sd on  
top of DR plug. Pmp'd in 7" csg above full bore pkr @  
10,495; indication of prt'd csg. Pulled tbg & pkr to  
6814; tbg collars or pkr drag'g every 30'. Set pkr @  
6814 & press'd 7" csg; pkr rubbers leaking.

JUL 07 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Circ'd csg & tbg w/10# SW.  
SI tbg & circ'd 9-5/8" csg by pmp'g down 7" csg. Displ'd  
blk Grn River oil to clean SW. 7" csg has hole or  
split collar. Fin'd pull'g tbg & full bore pkr; pkr  
rubbers torn off. RU Dialog to run min csg ID log; tool  
would not work properly. POOH & chng'd out sinker bars.  
Log'g tool still wouldn't work. SI overnight.

JUL 08 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 7/8 12-hr SITP 200#. Dialog ran  
7" csg profile caliper log from 8800-sfc. Log indicated  
prt in 7" csg @ 7355-7350. Reran log from 9150-4500; log  
indicated same prt in 7" csg 7355-7350. Ran Bkr 7" ret  
pkr & set @ 7280. Press'd 7" to 3000# 30 mins, ok.  
7/9 Ran 7" pkr to 7373. Pmp'd down tbg @ 1000#; press  
drop'd to 500#. Circ'd out 9-5/8. Set pkr @ 7437. Pmp'd  
down tbg @ 1300#; press drop'd to 500#. Circ'd out of  
9-5/8" csg. These tests indicate another leak in 7" csg  
below 7437'. Pkr hung up. Reverse circ'd down 7" csg  
& worked pkr loose. Pulled pkr. RIH w/Bkr 4-3/8" OD  
ret'g tool to btm 10,535; 60' fill above Mdl D pkr & DR  
plug @ 10,595. Reverse circ'd down 7" 1 jt (30'); rec'd  
shale & drlg mud. Cont'd reverse circ'g 1-1/2 hrs; could  
not clean up. Pulled tbg & ret'g tool up to 7100' &  
SI well.

JUL 11 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. SITP 100#, SI 7" CP 200# & SI  
9-5/8" CP 400#; bled off to pit (mostly gas). RIH 4-3/4  
ret'g tool; had 30' fill above pkr. Reverse circ'd &  
washed down to DR plug. Removed DR plug from pkr &  
reverse circ'd until tbg clean. Pmp'd 10 bbls 10#/gal  
SW down tbg. POOH; did not rec DR plug. Apparently  
lost plug working back thru csg separation. SI well  
overnight.

JUL 12 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 12-hr SITP 300 psi. Ran ret'g  
tool in hole & rec'd DR plug. Ran pkr picker in hole to  
7000'. SI overnight.

JUL 13 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 12-hr SITP 750 psi. Fin'd run'g  
6-1/8 mill & pkr picker. Milled out Mdl D pkr @  
10,595 & circ'd hole clean. POOH; rec'd pkr ok. RIH  
w/4-1/16" OD mill shoe. Ran 50 stds tbg & SD for night.

JUL 14 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Ran 4-1/16" mill shoe to 10,800  
(200' inside 5" liner). POOH. Ran 5" Bkr Mdl K cast  
iron cmt ret & set in 5" liner @ 10,693. Pulled 98 stds  
tbg. SD overnight.

JUL 15 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 7/15 Fished POOH w/2-7/8 tbg. Ran 3609' 5-1/2" 15.5#, K55, Range 283 csg w/5-7/8 OD slim hole collars. 7/16 Reversed out thru tbg & circ'd up 7" & 9-5/8" csg annulus. Made up Burns 5-1/2 liner hanger & RHH to 10,620 w/3619' of liner (incl'g 8' for hanger). Pmp'd FC ball thru w/1200 psi. Pmp'd 40 bbls frh wtr ahead of cmt. Released press & FC held ok. Started mix'g slurry w/Howco "G" w/.075 CFR2 & 5% HR4. Had total of 235 sx @ 13.8 ppg for total of 270 cu ft slurry. Displ'd slurry w/30 bbls frh wtr & 96 bbls brine. Bumped plug @ 3:40 p.m. w/2700 psi, float held. 7" was closed in & the 7"-9-5/8" annulus open for last 11 bbls pmp'd. Had good returns. Calculated cmt top @ 6900. POOH w/2-7/8 tbg. FC @ 10,585, cmt ret @ 10,693 & 5-1/2" x 7" 26# Burns liner hanger @ 7000'.

JUL 18 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Installed 6" BOP. Ran 6-1/8" bit & tbg to CO 7" above top of 5-1/2" liner; no cmt above liner top. Circ'd & CO to top of 5-1/2" liner. Press tested top of liner & hanger to 3000 psi 15 mins, ok. Pulled 69 stds tbg & bit.

JUL 19 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Pulled tbg & bit. Ran 4-3/4 bit & Bkr csg scraper. DO shoe & tie back in top of Burns liner hanger. Ran bit & scraper to 10,585 & reverse circ'd hole clean.

JUL 20 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. DO rubber plugs, FC & liner shoe jt. Tag'd top of liner @ 10,620. Pulled bit & scraper. Closed blind rams & press tested 7" csg & 5-1/2" liner hanger & liner to 3000 psi 20 mins, ok.

JUL 21 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 12-hr SITP 500#; SICP 700#. Killed well & fin'd run'g mill to btm. Drld & milled out Bkr cast iron ret @ 10,693. Ran mill to 11,700. Rev circ'd gas & oil out of hole. Pulled 25 stds tbg & SD for night.

JUL 22 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 7/22 Killed well w/10# SW & pulled tbg & mill. OWP ran Bkr 5" CIBP on WL & set @ 11,510'. Perf'd w/3-1/8" csg gun 11,375-10,724 (20 holes) in 2 runs. Ran GR collar log from 10,650-9000 & 7500-6500. SIP before perf'g 500#; after 600#. 7/23 Fin'd perf'g. Run #3 - 10,628-10,408 (19 holes). Sfc press @ end of perf'g 900#. Ran Bkr 5-1/2 F1 pkr w/3" bore & KO plug in place & set @ 10,350. Ran seal assy, SN, 327 jts 2-7/8 tbg, one 2' & one 10' sub. Spaced out w/7000# tension. Unstung from pkr & drop'd SV. Press tested tbg to 6500#, ok. Rev circ'd 10# SW out of 7" csg & tbg. Displ'd w/prod wtr. SD for night.

JUL 25 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Fished SV & removed BOP. Installed 10,000# X-mas tree. Knocked plug out of pkr @ 10,350 & chased to 5" liner top @ 10,620. Tools hung up in liner top. Drop'd go devil to cut line; unsuccessful. Drop'd 2nd go devil; cut line ok. Fished 2nd go devil out of hole, but could not rec 1st go devil. Prep to run lead impress blk.

JUL 26 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Ran 2-1/2" OD lead impress blk; indicates Bkr 3" plug & rope socket 1-1/2" on tools stuck in hole. Made several runs w/1-3/4" OD overshot; rec'd 1st 5' 1-1/2" OD x 5' go devil. Had to cut paraffin & pump down tbg. Flwd well to bty 7 p.m. to 7 a.m.; no gauge. TP @ start of flw 2000# & 200# @ end.

JUL 27 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Installed back press valve in donut & removed X-mas tree. Installed BOP & unstung from pkr. Circ'd tbg & csg w/10# SW. Pulled tbg & Bkr seal assy. Ran 4-1/8 OD Bkr pkr picker + 50 stds tbg

JUL 28 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Fin'd run'g 4-1/8 OD pkr picker. Milled over F1 Bkr pkr @ 10,350. Pulled tbg & milled over pkr. Made up 4-1/8 OD short skirt overshot w/1-1/2 grapple, 1 jt tbg w/sli bend & 4-1/8 OD Bowen hyd jars. Ran 30 stds tbg.

JUL 29 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 7/29 Fin'd RIH w/overshot & jars. Tag'd top of fish @ 10,663. Worked overshot up & down hole; 40' practically free. Set off jars @ 10,623 four times w/20,000#. POOH; marks on outside of overshot indicating drag'g. Ran 4" OD x 2" ID x 2' WO shoe, Bowen bumper sub & Bowen hyd jars & 20 stds tbg. 7/30 Fin'd run'g WO shoe, sub & jars. Tag'd top of fish @ 10,663. Milled over 1-1/2 sinker bars & Bkr plug to 10,667. Fish fell free. Ran tbg & mill to 11,490. Pulled tbg to 8000'. SI well.

AUG 01 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Pulled WO shoe & tbg. Ran Bkr 5-1/2 full bore ret pkr & reg 2-3/8 SN & 2-7/8 tbg to 10,336. Tested tbg to 6500#, ok. Retrieved SV & removed stripper head.

AUG 02 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Rev circ'd 10# SW w/400 bbls prod wtr. Installed BPV in tbg donut. Set Bkr 5-1/2 full bore pkr @ 10,336 w/15,000# tension. Installed 10,000# tree. Bullheaded 1000 gals gelled wt'd, inh'd, 15% HCl acid down tbg foll'd by 60 bbls prod wtr. RU Dowell. Press tested sfc lines & tree to 9500#, ok. AT perfs 10,405-11,451 (111 holes) as per prog w/30,000 gals 15% + 37,000 gals frm wtr containing Dowell mud & silt removal. Held 2800# on backside. Max TP 9000 psi, avg 8300, min 7600. Max rate 10 B/M, avg 10, min 8. ISIP 5200 psi, 5 mins 5100, 10 mins 5100, 15 mins 5000, 30 mins 4800. Total load 1693 bbls; used 129 ball sealers & 2100# Benzoic Acid Flakes. Backflw'd well to pit thru 48/64 chk w/1100 psi FTP. Rec'd gas & yellow oil. Turned well to bty 7 p.m. thru 32/64 chk w/1500 psi FTP. Turned well over to prod.

AUG 03 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. 8-hr SITP 3000#. Installed BPV in tbg donut. Installed 5000# tree & hooked up flwline. Flwd well to bty 8 hrs & rec'd 147 BO, 16 BW & 225 MCF gas thru 14/64 chk w/2800# FTP. SI well due to tank room.

AUG 04 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 13-hr test, flwd 182 BO, 144  
BW, 120 MCF gas w/2700 psi.

AUG 05 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 12-hr test, gas lifted 126 BO,  
16 BW, 458 MCF gas w/1380 psi inj press.

AUG 08 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
8/5	16	407	62	421	1380
8/6	20	379	139	541	1380
8/7	24	349	183	556	1380

AUG 09 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, gas lifted 243 BO,  
112 BW, 457 MCF gas w/1380 psi inj press.

AUG 10 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, gas lifted 226 BO,  
72 BW, 421 MCF gas w/1380 psi inj press.

AUG 11 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, prod 430 BO, 163  
BW, 566 MCF gas w/1500 psi.

AUG 12 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, prod 417 BO, 212 BW,  
582 MCF gas w/1400 psi.

AUG 15 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
8/12	24	366	233	618	1250
8/13	24	136	63	323	1300
8/14	24	310	177	562	1300

AUG 16 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, prod 310 BO, 199 BW,  
503 MCF gas w/1250 psi.

AUG 17 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, prod 235 BO, 172 BW,  
421 MCF gas w/1350 psi.

AUG 18 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, prod 317 BO, 95 BW,  
476 MCF gas w/1250 psi.

AUG 19 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, prod 278 BO, 426 BW,  
457 MCF gas w/1200 psi. AUG 22 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim) AUG 23 1977

Rept Date	Hrs	BO	BW	MCF GAS	Press
8/19	24	270	204	463	1180
8/20	24	164	73	347	1550
8/21	24	308	257	481	851

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24 hr test prod 220 BO, 192 BW,  
417 MCF gas w/1013 psi. AUG 24 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24 hr test prod 297 BO,  
225 BW, 463 MCF gas w/886 psi. AUG 25 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24 hr test prod 212 BO,  
178 BW, 399 MCF gas w/1175 psi. AUG 26 1977

Shell-Gulf  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24 hr test prod 279 BO, 150  
BW, 439 MCF gas w/1023 psi. AUG 29 1977

Shell-Gulf  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

Rept Date	Hrs	BO	BW	MCF Gas	Press
8/26	24	247	306	421	762
8/27	24	240	212	421	1100
8/28	24	179	182	402	1114

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-hr test, prod 247 BO, 215 BW,  
430 MCF gas w/932 psi.

AUG 31 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. On 24-1 test, prod 202 BO, 206 BW,  
420 MCF gas w/1100 psi.

SEP 01 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Mud acid trt, isolate,  
reperf & stim)

TD 12,300. PB 12,270. Prior to work, well was prod'g 0  
fluids. Csg damage found in well & repaired. Well was  
perf'd & stim 8/3/77. Flwd well to pit for cleanup.  
Turned well to bty & in 8 hrs prod 147 BO, 16 BW & 225 MCF  
gas. Well level'd off @ 1300# TP on 14/64 chk prod'g  
256 BO & 203 BW w/437 MCF gas. As of 8/31/77 well is on  
13/64 chk & prod'g 265 BO, 225 BW & 393 MCF gas/day w/1150  
psi TP.

FINAL REPORT

SEP 02 1977



STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           OIL WELL <input checked="" type="checkbox"/> </div> <div style="width: 45%;">           GAS WELL <input type="checkbox"/> </div> </div>		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290		7. UNIT AGREEMENT NAME Altamont
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1445' FNL & 1894' FEL Section 24		8. FARM OR LEASE NAME Brotherson
14. PERMIT NO.		9. WELL NO. 1-24B4
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6138 GL		10. FIELD AND POOL, OR WILDCAT Altamont
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/4 NE/4 Section 24-T2S-R4W
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH Duchesne
18. STATE Utah		13. STATE Utah

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Convert to gas lift

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Convert to gas lift

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

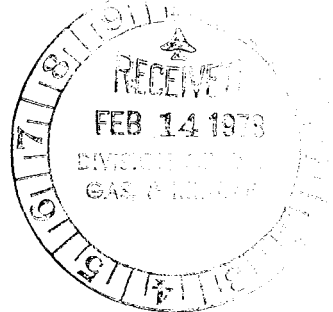
X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attachment

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
DATE: Feb. 16, 1978  
BY: PL Huswell



18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Div. Oper. Engr.

DATE

FEB 16 1978

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah USGS w/attachment

\*See Instructions on Reverse Side

CONVERT TO GAS LIFT

SHELL-GULF

FROM: 11/29/77 - 12/30/77

LEASE

DIVISION

COUNTY

BROTHERSON

WESTERN

DUCHESNE

WELL NO.

ELEV

STATE

ALTAMONT

1-24B4

6138 GL

UTAH

UTAH

ALTAMONT

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

"FR" TD 12,300. PB 12,270. AFE #529547 provides funds to convert well to gas lift. MI&RU 11/28. Killed well w/prod wtr, removed WH & installed BOP's. Pulled 5-1/2 full bore pkr w/327 jts tbg. RIH w/1500' tbg. SD for night. NOV 29 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. No report.  
NOV 30 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. 11/29 Ran Bkr 5-1/2 full bore pkr, 8 Camco KBMG mndrls w/valves & tbg. Set pkr @ 10,324 & landed tbg w/16,000# tension. Set mndrls @ 2900, 5300, 7000, 8100, 8800, 9300, 9800 & 10,100. Removed BOP's & set WH & connected flwline. SD for night. DEC 01 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. Hooked up well & started gas lift'g well. DEC 02 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 16-hr test, prod 134 BO, 317 BW, 570 MCF gas w/200 psi. DEC 05 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
12/2	24	124	171	570	100
12/3	24	122	164	360	100
12/4	24	147	188	640	200

DEC 06 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 98 BO, 110 BW, 490 MCF gas w/125 psi. DEC 07 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 119 BO, 183 BW, 802 MCF gas w/150 psi. DEC 08 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 108 BO, 166 BW, 440 MCF gas w/200 psi. DEC 09 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 116 BO, 190 BW,  
1010 MCF gas w/200 psi.  
DEC 12 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 100 BO, 120 BW,  
762 MCF gas w/100 psi.  
DEC 13 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 104 BO, 160 BW,  
720 MCF gas w/100 psi.  
DEC 14 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On various tests, prod:  

Rept Date	Hrs	BO	BW	MCF Gas	Press
12/11	24	98	175	702	100
12/12	24	111	170	720	100
12/13	24	111	161	720	100

  
DEC 15 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 110 BO, 156 BW,  
720 MCF gas w/120 psi.  
DEC 16 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 98 BO, 145 BW,  
402 MCF gas w/150 psi.  
DEC 19 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On various tests, prod:  

Rept Date	Hrs	BO	BW	MCF Gas	Press
12/16	4	1	26	124	1700
12/17	6	261	105	214	1350
12/18	24	450	304	780	200

  
DEC 20 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 560 BO, 262 BW,  
1276 MCF gas w/300 psi.  
DEC 21 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 783 BO, 180  
BW, 1233 MCF gas w/250 psi.  
DEC 22 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On 24-hr test, prod 451 BO, 41 BW,  
1150 MCF gas w/200 psi.  
DEC 23 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. On various tests well gas lifted:  

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
12/22	24	207	120	911	200
12/23	24	169	123	732	175
12/24	24	142	185	762	175
12/25	24	69	78	500	100
12/26	24	77	89	407	175

DEC 28 1977

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

DEC 29 1977

TD 12,300. PB 12,270. On 24 hr test well gas lifted  
129 BO, 155 BW, 558 MCF gas w/900 psi inj press.

Shell-Gulf-  
Brotherson 1-24B4  
(Gas Lift)

TD 12,300. PB 12,270. CONVERSION TO GAS LIFT COMPLETE.  
Prior to gas lift prod 110 BO, 120 BW, 52% cut, 127 MCF  
gas on 64/64 choke, 100 psi FTP. After work prod 387  
BO, 149 BW, 28% cut, 314 MCF gas, 455 MCF gas lift gas  
w/900 psi.  
FINAL REPORT DEC 29 1977

11. Return well to production.
12. Report well tests on morning report until production stabilizes.

*Handwritten:* JMB  
4/23/80  
MEB:JL  
PKD  
4/21/80

*Handwritten:* MEB  
4/21/80

*Handwritten:* G L Thompson  
\_\_\_\_\_  
G. L. Thompson  
  
5-6-80  
\_\_\_\_\_  
Date

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR <div style="text-align: center;">Shell Oil Company</div>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR <div style="text-align: center;">P. O. Box 831      Houston, Texas    77001</div>		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <div style="text-align: center;">At surface 1445' FNL &amp; 1894' FEL</div>		8. FARM OR LEASE NAME <div style="text-align: center;">Brotherson</div>	
14. PERMIT NO.		9. WELL NO. <div style="text-align: center;">1-24B4</div>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <div style="text-align: center;">6165' KB</div>		10. FIELD AND POOL, OR WILDCAT <div style="text-align: center;">Altamont</div>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <div style="text-align: center;">SW/4 NE/4 Sec. 24-T2S-R4W</div>	
		12. COUNTY OR PARISH <div style="text-align: center;">Duchesne</div>	13. STATE <div style="text-align: center;">Utah</div>

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached worksheet.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: 7-2-80

BY: M. S. Minder

**RECEIVED**  
JUN 27 1980

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

M. S. Minder

TITLE Division Production Engineer

DATE 6/20/80

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

REMEDIAL PROGNOSIS  
BROTHERSON 1-24B4  
SECTION 24, T2S, R4W  
ALTAMONT FIELD, UTAH

Pertinent Data:

Shell's share: 93.75%

Elevation (KB): 6165'  
Elevation (GL): 6138'  
TD: 12,300'  
PBD: 12,270'; 11,510' (CIBP)  
Casing: 13-3/8", 68#, K-55 to 308'; 9-5/8", 40#, K-55 to 6000'; 7", 26#, S-95,  
P-110 to 10,703'  
Liners: 5", 18#, N-80; top at 10,620'; bottom at 12,298'  
5-1/2", 15.5#, K-55; top at 7000'; bottom at 10,620'  
Tubing: 2-7/8", EUE, 6.5#, N-80 to 10,324'  
Packer: 5-1/2" Fullbore packer at 10,324'  
Perforations: Above CIBP: 10,408'-11,451' (111 holes)  
Below CIBP: 11,558'-12,288' (44 holes)  
Artificial Lift: Gas lift with mandrels at 2900', 5300', 7000', 8100', 8800',  
9300', 9800', 10,100'  
Objective: CO<sub>2</sub> perforate, and stimulate Wasatch.

Procedure:

1. MIRU. Load hole with clean produced water. Remove tree. Install and test BOPE as per field specs.
2. Pull tubing, 5-1/2" packer at 10,324', laying down gas lift mandrels while coming out.
3. Mill out CIBP at 11,510'.
4. Run bit or mill and CO<sub>2</sub> 5" liner to  $\pm$ 12,270' (PBD) (5-1/2" liner from 7000'-10,620').
5. Rig up perforators with lubricator (tested to 3000 psi) and perforate as follows:
  - a. Perforate using a 3-1/8" O.D. casing gun with DML Densi-Jet XIV (14.0 gram) charges at 120° phasing.
  - b. Record and report wellhead pressure before and after each run.
  - c. Perforate (from bottom up) 3 shots per foot at depths shown on Attachment I. Depth reference is OWP's GR/CBL dated 10/12/73.
- 6a. If well can be controlled with water after perforating, run a 5-1/2" fullbore packer on tubing and set at  $\pm$ 10,350'. Test tubing to 6500 psi.

- b. If well cannot be controlled with water after perforating, lubricate in a 5" Model "FA-1" packer (with flapper) and set at  $\pm 10,350'$ . Run tubing, latch into packer, and put well on production.
- 7. Acid treat perms 10,405'-12,257' (~~501~~ new, 155 old) with 34,500 gallons of 7-1/2% HCL as follows:
  - a. Pump 3000 gallons acid, dropping one ball sealer (7/8" RCN with 1.2 .S.G) every 50 gallons.
  - b. Pump 500 gallons acid containing 1000# benzoic acid flakes.
  - c. Repeat Step (a) 9 more times and Step (b) 8 more times for a total of 10 stages and 9 of diverting material (total 34,500 gallons acid and 600 ball sealers).
  - d. Flush with 100 bbls of clean produced water.

Notes:

- 1. All acid and flush to contain 6 gallons G-10/1000 gallons HCL or equivalent for +70% friction reduction and 1.0# 20-40 mesh RA sand per 1000 gallons (no RA sand in flush).
- 2. All acid to contain 3 gallons C-15/1000 gallons HCL for 4 hours exposure at 210°F and the necessary surfactant (tested for compatibility with formation fluids).
- 3. Maintain 2500 psi surface casing pressure during treatment if possible.
- 4. Pumping rates: pump at maximum possible without exceeding 6500 psi differential pressure between tubing and annulus.
- 5. Increase amount of diverting material if necessary to obtain a gradual increase in treating pressure and/or decrease in rate.
- 6. Record ISIP and shut-in pressure decline for at least 20 minutes.

- 8. Run RA log from PBTD to 10,300'.
- 9a. If well flows, release rig and put on production. When well can be controlled with water, move in rig and proceed to Step 10.
- b. If well does not flow, continue with Step 10.
- 10a. If a 5-1/2" fullbore packer was used in Step 6, POOH with tubing and packer. RIH with tubing, gas lift mandrels, and packer. Set packer at  $\pm 10,350'$ . Install mandrels as shown in Attachment II.
- b. If a 5-1/2" Model "FA-1" packer was used in Step 6, POOH with tubing and seals. RIH with tubing, gas lift mandrels, and latch into packer. Install mandrels as shown in Attachment II.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>PATENTED</b>
2. NAME OF OPERATOR <b>Shell Oil Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <b>PO Box 831 Houston, Tx 77001 ATTN: C.E. Tixier em. #1916</b>		7. UNIT AGREEMENT NAME <b>Altamont</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1445' FNL + 1894' FEL SEC. 24</b>		8. FARM OR LEASE NAME <b>Brotherston</b>
14. PERMIT NO.		9. WELL NO. <b>1-24BH</b>
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <b>6165' KB</b>		10. FIELD AND POOL, OR WILDCAT <b>Altamont</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SW1/4 NE1/4 T2S R4W</b>
		12. COUNTY OR PARISH <b>Duchesne</b>
		13. STATE <b>Utah</b>

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHED

RECEIVED  
FEB 20 1981

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED C. E. Tixier C.E. TIXIER TITLE DIVISION PROD. ENGINEER DATE 1-30-81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 325  
ISSUED 10/10/80

WELL: BROTHERRSON 1-2484  
LABEL: FIRST REPORT  
AFE: 590817  
FOREMAN: K.J. DESHOTEL  
RIG: WOW #17  
OBJECTIVE: CLEAN OUT PERFORATE STIMULATE AND RETURN TO PRODUCTION.  
AUTH. AMNT: 120000  
DAILY COST: 0 / 2950  
CUM COST: 0 / 2950  
DATE: 6-27-28-29-30-80  
ACTIVITY: 6-27 - MOVE FROM 1-36B6 TO LOCATION. FIRST REPORT ON  
\*02\* THIS LOCATION. AFE #590817 PROVIDES FUNDS TO CLEAN OUT  
\*03\* PERFORATE STIMULATE AND RETURN WELL TO PRODUCTION.  
\*04\* TD: 12300 FT. BBDT: 12270 FT. MOVE FROM 1-36B6 TO  
\*05\* LOCATION AND RIG UP. S.D.O.N.  
\*06\*  
\*07\* 6-28 - PULL TBG. AND MANDRELS.  
\*08\*  
\*09\* 6-28 - BLED OFF CASING. PUMP 150 BBLs. PRODUCED WATER  
\*10\* DOWN TBG. AND 100 BBLs. DOWN CASING. REMOVED WELLHEAD  
\*11\* AND INSTALLED BOPS. RELEASED 5 1/2 IN. FULLBORE PACKER  
\*12\* AND POOH WITH TBG. AND MANDRELS. MAKE UP 4 1/8 IN. O.D.  
\*13\* MILL 1 JT. OF WASH PIPE AND RIH TO 10500 FT. S.D.R.O.  
\*14\*  
\*15\* 6-29 - SHUTDOWN.  
\*16\*  
\*17\* 6-30 - CLEAN OUT 5 IN. LINER.

LABEL: -----  
DAILY COST: 3050  
CUM COST: 6000  
DATE: 6-30 AND 7-1-80  
ACTIVITY: 6-30-80 STATUS: CLEAN OUT 5 IN. LINER  
\*02\* 6-30-80 ACTIVITY: RIN TO 10683 FT. 2 JTS. INSIDE OF  
\*03\* 5 IN. LINER AND TAG. PICK UP POWER SWIVEL STARTED  
\*04\* PUMPING DOWN CSG. AND ESTABLISHED CIRCULATION. MILL  
\*05\* FROM 10683 FT. TO 11270 FT. LINER FULL OF HARD SCALE.  
\*06\* S.D.O.N.  
\*07\* 7-1-80 STATUS: CONTINUE CLEANING OUT 5 IN. LINER.

LABEL: -----

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 325  
ISSUED 10/10/80

DAILY COST: 3050  
CUM COST: 9050  
DATE: 7-1 AND 7-2-80  
ACTIVITY: MILL FROM 11270 FT. TO 11500 FT. GETTING SCALE IN RETURN.  
\*02\* MILL AT 11500 FT. FOR APPROX. 2 HRS. DID NOT MAKE HOLE.  
\*03\* LAY BACK POWER SWIVEL AND POOH WITH TBG. WASH PIPE AND  
\*04\* MILL. MILL SHOE WORN. MAKE UP NEW 4 1/8 IN. O.D.  
\*05\* MILL WASH PIPE AND RIH TO 11400 FT. S.D.O.N.  
\*06\*  
\*07\* 7-2-80 - CONTINUE CLEANING OUT 5 IN. LINER.

LABEL: -----  
DAILY COST: 4050  
CUM COST: 13100  
DATE: 7-2-80  
ACTIVITY: RIH TO 11500 FT. AND TAG. PICK UP POWER SWIVEL.  
\*02\* ESTABLISH CIRCULATION AND STARTED MILLING. MILLED  
\*03\* FOR APPROX. 3 HRS. AND MADE 4 FT. LOST CIRCULATION.  
\*04\* MILL PLUG. POOH WITH TBG. WASH PIPE AND MILL.  
\*05\* RECOVERED ABOUT 5 FT. OF SINKER BARS AND JUNK. MAKE  
\*06\* UP 4 1/8 IN. O.D. X 3 IN. I.D. MILL SHOE - 1 JT.  
\*07\* WASH PIPE AND RIH TO 11000 FT. S.D.O.N.

LABEL: -----  
DAILY COST: 3050  
CUM COST: 16150  
DATE: 7-3-4-5-6- AND 7-80  
ACTIVITY: RIH TO 11504 FT. AND TAG. PICK UP POWER SWIVEL.  
\*02\* ESTABLISH CIRCULATION AND STARTED MILLING. MILLED  
\*03\* FOR APPROX. 3 HRS. AND MADE 4 FT. LOST CIRCULATION.  
\*04\* MILL PLUGGED. LAY BACK SWIVEL. POOH WITH TBG.  
\*05\* WASH PIPE AND MILL. RECOVERED 1 SET OF SPANG JARS.  
\*06\* 1 SET OIL JARS AND JUNK. MAKE UP 4 1/8 IN. O.D. X  
\*07\* 3 IN. I.D. MILL SHOE. 1 JT. WASH PIPE AND RIH TO  
\*08\* 10000 FT. S.D.R.O.  
\*09\*  
\*10\* 7-4-80 - SHUTDOWN  
\*11\* 7-5-80 - SHUTDOWN  
\*12\*  
\*13\* 7-6-80 - SHUTDOWN  
\*21\*  
\*22\* 7-7-80 - CONTINUE MILLING OVER JUNK.

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 325  
ISSUED 10/10/80

LABEL: -----  
DAILY COST: 3650  
CUM COST: 19800  
DATE: 7-7 AND 7-8-80  
ACTIVITY: 7-7-80 STATUS: CONTINUE MILLING OVER JUNK  
\*11\* 7-7-80 ACTIVITY: RIH TO 11507 FT. AND TAG- PICK UP  
\*12\* POWER SWIVEL ESTABLISH CIRCULATION AND STARTED MILLING  
\*13\* MILLED FOR APPX. 1.5 HRS. BEFORE MILLING THROUGH CIBP.  
\*14\* MILLED OVER AND PUSHED CIBP. TO 12170 FT. QUIT MAKING HOLE.  
\*15\* LAY BACK SWIVEL AND PULLED 10000 FT. OF TBG.  
\*16\* S.D.O.N.  
\*17\* 7-8-80 STATUS: FINISH CLEANING OUT 5 IN. LINER

LABEL: -----  
DAILY COST: 3750  
CUM COST: 23550  
DATE: 7-8-80  
ACTIVITY: FINISH PULLING TBG. MAKE UP 4 1/8 IN. O.D. X 2 IN.  
\*02\* I.D. TBG. MILL. RIH AND TAG AT 12170 FT. PICK UP  
\*03\* POWER SWIVEL. ESTABLISH CIRCULATION AND MILLED FOR  
\*04\* APPROX. 4 HRS. FROM 12170 FT. TO 12184 FT. MILL  
\*05\* PLUGGED OFF. PULLED 9000 FT. OF TBG. S.D.O.N.

LABEL: -----  
DAILY COST: 4250  
CUM COST: 27800  
DATE: 7-9 AND 7-10-80  
ACTIVITY: 7-9-80 STATUS: FINISH CLEANING OUT 5 IN. LINER  
\*11\* 7-9-80 ACTIVITY: POOH WITH TBG. MAKE UP 4 1/8 IN.  
\*12\* O.D. MILL 10 JT. OF WASH PIPE AND RIH TO 12184 FT.  
\*13\* AND TAG. PICK UP POWER SWIVEL ESTABLISH CIRCULATION  
\*14\* AND MILL FROM 12184 FT. TO 12268 FT. PBTD 12270 FT.  
\*15\* LAY BACK SWIVEL AND START OOH. S.D.O.N.  
\*16\* 7-10-80 STATUS: PERFORATE

LABEL: -----  
CUM COST: 27800  
DATE: 7-10 AND 7-11-80  
ACTIVITY: 7-10-80 STATUS: PERFORATE  
\*02\* 7-10-80 ACTIVITY: POOH WITH TBG. WASH PIPE AND MILL.  
\*03\* MIRU OWP AND PERFORATE. MADE A TOTAL OF 4 PERFORATING

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 325  
ISSUED 10/10/80

\*04\* RUNS THIS DATE. PERFORATED FROM BOTTOMS UP 12257 FT. TO  
\*05\* 11371 FT. 95 SELECTIONS-285 HOLES. PBD 12270 FT.  
\*06\* PERFORATED PER PROGNOSIS. FLUID LEVEL ON ALL RUNS AT  
\*07\* 1700 FT. NO PRESSURE. BEFORE AND AFTER PERFORATING.  
\*08\* S.D.O.N.  
\*09\* 7-11-80 STATUS: PERFORATE

LABEL: -----  
DAILY COST: 29066  
CUM COST: 60066  
DATE: 7-11-80  
ACTIVITY: S.I. WELLHEAD PSI 350. BLEED PRESSURE TO 0. MADE A  
\*02\* TOTAL OF 4 PERFORATING RUNS THIS DATE. PERFORATED  
\*03\* FROM 11366 FT. TO 10405 FT. 72 SELECTIONS 216 HOLES.  
\*04\* PERFORATED PER PROGNOSIS. FLUID LEVEL ON 1ST. RUN  
\*05\* AT 1200 FT. 2ND. RUN AT 1100 FT. 3RD. RUN 1000 FT.  
\*06\* 4TH. RUN 950 FT. NO PRESSURE BEFORE AND AFTER  
\*07\* PERFORATING. PERFORATED WITH 3 1/8 IN. CSG. GUNS.  
\*08\* 14.0 GRAM CHARGES 120 PHASING 167 SELECTIONS  
\*09\* 501 HOLES. TOTAL PERFS. 501 NEW AND 155 OLD.  
\*10\* RIG DOWN O.W.P. MAKE UP 5 1/2 IN. BAKER FULLBORE  
\*11\* PACKER WITH UNLOADING SUB AND RIH TO 10350 + OR -  
\*12\* AND SET PACKER. LAND TBG. WITH 18000 # TENSION.  
\*13\* PRESSURE TEST TBG. TO 6000 PSI. CSG. TO 2500 PSI.  
\*14\* BOTH O.K. S.D.O.N.  
\*15\*  
\*16\* 7-12-80 - ACIDIZE.

LABEL: -----  
DAILY COST: 47825  
CUM COST: 107891  
DATE: 7-12-13-14-80  
ACTIVITY: MIRU DELSCO. RIH AND LATCH AND POOH WITH STANDING  
\*02\* VALVE. REMOVE BOPS AND INSTALL 10000# WELLHEAD. MIRU  
\*03\* ODWELL. HELD SAFETY MEETING. PRESSURE TEST LINES  
\*04\* TO 9500#. ACIDIZE WELL: TOTAL PUMP TIME 65 MIN.  
\*05\* TOTAL ACID 828 BBLs. FLUSH 100 BBLs. WATER. TOTAL  
\*06\* FLUIDS 928 BBLs. TOTAL 7/8 IN. RCN BALLS - 720.  
\*07\* 9000# B.A.F. ISIP - 1800#. 5 MIN. - 650#.  
\*08\* 10 MIN. - 200#. 15 MIN. - 0#. MAX. PSI - 8700.  
\*09\* AVER. PSI - 7400. MIN. PSI - 4600. MAX. RATE - 16.0.  
\*10\* AVER. RATE - 15.0. MIN. RATE - 10.0. MAX. CSG. -

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 325  
ISSUED 10/10/80

\*11\* 2500#. RIG DOWN DOWELL. RIG UP O.W.P. RUN R.A. LOG.  
\*12\*  
\*13\* 7-13-80 - SHUT IN.  
\*14\*  
\*15\* 7-14-80 - RUN GAS LIFT EQUIPMENT AND PUT ON PRODUCTION.

LABEL: -----  
DAILY COST: 1350  
CUM COST: 109241  
DATE: 7-13-14 AND 15-80  
ACTIVITY: 7-13-80 - SHUT IN.  
\*02\*  
\*03\* 7-14-80 - SHUT IN - 2200# ON WELLHEAD. FLOWED WELL TO  
\*04\* PIT. HOOK UP FLOWLINE. IN 5 HRS. HAS FLOWED 34 BBLs.  
\*05\* OIL TO BATTERY. RA LOG RESULTS SHOWED NO  
\*06\* TREATMENT BELOW 10900 FT. MADE DECISION TO RETREAT  
\*07\* LOWER ZONE. MADE REPAIRS TO BRAKES ON PULLING UNIT.  
\*08\* STARTED OUT OF HOLE WITH TBG. SHUT WELL IN. S.D.O.N.  
\*09\*  
\*10\* 7-15-80 - REACIDIZE INTERVAL BELOW 10900 FT.

LABEL: -----  
DAILY COST: 40327  
CUM COST: 149568  
DATE: 7-15 AND 7-16-80  
ACTIVITY: TREATED WELL WITH 23000 GALS. 7 1/2% HCL AS  
\*02\* FOLLOWS: SET PACKER AT 10920 FT. INSTALLED BOPS.  
\*03\* PUMPED 2000# BENZOIC ACID FLAKES DOWN CASING AT  
\*04\* 5 BBLs. PER MIN. PRESSURE INCREASED TO 2200#.  
\*05\* + OR - WHEN DIVERT ON PERFS. PUMPED ACID IN 6 -  
\*06\* 3000 GAL. STAGES W/ 2#/GAL. BENZOIC FLAKES AND  
\*07\* 5-1000 GAL. STAGES W/ 1 BALL SEALER EVERY 50 GAL.  
\*08\* PUMPED AS FOLLOWS:  
\*09\* STEP 1. 3000 GAL. W/ 2#/GAL. BENZOIC FLAKES.  
\*10\* 1000 GAL. W/ 1 BS EVERY 50 GAL.  
\*11\* 2. REPEATED STEP 1 4 TIMES.  
\*12\* 3. 3000 GAL. W/ 2#/GAL. BENZOIC FLAKES.  
\*13\* 4. FLUSHED TBG. W/ 100 BBLs. PRODUCED WATER.  
\*14\*  
\*15\* ISIP - 4900# AFTER 15 MIN. - 4510#  
\*16\* MIN./MAX. IP - 5200#/8350# AIP - 6775#.  
\*17\* MIN./MAX. IR - 5 BPM/14 BPM AIR - 9.5 BPM.

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 325  
ISSUED 10/10/80

\*18\* TOTAL PPG TIME - 79 MIN.  
\*19\*  
\*20\* 7-16-80 - ATTEMPT NATURAL FLOW.

LABEL: -----  
DAILY COST: 3200  
CUM COST: 152768  
DATE: 7-16 AND 7-17-80  
ACTIVITY: 7-16-80 ACTIVITY: PULL WORKSTRING AND RUN GL EQUIP.  
\*02\* TBG. PRESSURE 200# CSG. PRESSURE 1200#  
\*03\* ATTEMPTED NATURAL FLOW OUT OF CSG. AND TBG. - WELL DIED  
\*04\* AFTER 2 HRS. RELEASED PKR. AT 10920 FT. - PULLED 2  
\*05\* JTS. TBG. WELL STARTED FLOWING FLOWED WTR. AND ACID  
\*06\* TO PIT FOR 3 HRS. AFTER FLOW DECLINED ATTEMPTED TO  
\*07\* KILL WELL - KILLED WELL WITH PRODUCED WTR. - STARTED OUT  
\*08\* OF HOLE WITH TBG. - PULLED 120 JTS. TBG. S.W.I.  
\*09\* S.D.O.N.  
\*10\* 7-17-80 STATUS: RUN GL EQUIPMENT

LABEL: -----  
CUM COST: 152768  
DATE: 7-17 AND 7-18-80  
ACTIVITY: 7-17-80 ACTIVITY: RUN GL EQUIP. - RAN REMAINDER PROD.  
\*02\* EQUIP. - LAYED DOWN BOP - INSTALLED WELLHEAD - OPENED WELL TO  
\*03\* BZVATETERY. EQUIP. IN WELL AS FOLLOWS  
\*04\* GUIBERSON UNI-VI PKR. SET AT 10367 FF T. W/60000# TENSION,  
\*05\* 326 JTS. 2 7/8 IN. EUE 8 ROUND TBG. (10362 FT.) CAMCO GL  
\*06\* MANDRELS AND VLAVES AT FOLLOWING DEPTHS - 2955 FT. - 5055 FT.  
\*07\* 6490 FT. - 7400 FT. - 7980 FT. - 8560 FT. - 9140 FT. - 9720 FT.  
\*08\* 10300 FT. ALL MANDREL S DEPTH PER DESIGN. WELL ON PROD.  
\*11\* 7-18-80 STATUS: PRODUCTION

LABEL: -----  
CUM COST: 152768  
DATE: 7-18-80  
ACTIVITY: WELL WAS SHUT IN FOR 13 HRS. THE PRODUCTION FOR 11 HRS.  
\*02\* WAS 88 OIL - 326 WTR. - 472 MCF GAS - 118 SALES

LABEL: -----  
CUM COST: 152768  
DATE: 7-19 AND 7-20 AND 7-21-80  
ACTIVITY: 7-19-80 WELL SHUT IN . WAITING ON CHEVRON TO HAUL OIL.

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 325  
ISSUED 10/10/80

\*02\* 7-20-80 WELL SHUT IN . RECYCLE PUMP WENT DOWN- SHIPPED  
\*03\* OIL-WELL ON AND PRODUCING AT 4 P.M.  
\*04\* 7-21-80 STATUS: PRODUCTION TEST

LABEL: -----  
CUM COST: 152768  
DATE: 7-21-80  
ACTIVITY: IN 16 HRS. THE WELL PRODUCED 289 OIL - 278 WTR. - 500 MCF  
\*02\* 25/64 CHOKE

LABEL: -  
DAILY COST: NONE  
CUM COST: 152768  
DATE: 7-22 AND 23-80  
ACTIVITY: 7-22-80 - IN 21 HOURS - 293 OIL - 476 WATER - 359 GAS.  
\*02\* 0 INJECTION WITH 300# TP ON A 25/64 IN. CHOKE.  
\*03\*  
\*04\* 7-23-80 - IN 24 HOURS - 216 OIL - 429 WATER - 407 GAS.  
\*05\* 0 INJECTION WITH 290# TP ON A 25/64 IN. CHOKE.  
\*06\* STARTED GAS INJECTION.

LABEL: -  
DAILY COST: NONE  
CUM COST: 152768  
DATE: 7-24-80  
ACTIVITY: IN 24 HOURS 268 OIL - 533 WATER - 413 GAS WITH  
\*02\* INJECTION OF 14 MCF GAS ON A 64/64 IN. CHOKE.  
\*03\* TP - 200# AND CP - 1240#.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. <u>PATENTED</u>
2. NAME OF OPERATOR <u>SHELL Oil Company</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>P.O. Box 831 Houston, Tx 77001 ATTN: P.G. GELING RM. #6459 WCK</u>		7. UNIT AGREEMENT NAME <u>ALTAMONT</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1445' FNL + 1894' FEL SEC. 24</u>		8. FARM OR LEASE NAME <u>BROTHERSON</u>
14. PERMIT NO.		9. WELL NO. <u>1-2484</u>
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6165' KB</u>		10. FIELD AND POOL, OR WILDCAT <u>ALTAMONT</u>
		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <u>S4W4 NE1/4 T2S R4W</u>
		12. COUNTY OR PARISH <u>DUCHESNE</u>
		13. STATE <u>UTAH</u>

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHED

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct

SIGNED

W. F. N. KELLDORF

TITLE DIVISION PROD. ENGINEER

DATE 7-26-82

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

REMEDIAL PROGNOSIS  
BROTHERSON 1-24B4  
SECTION 24, T2S, R4W

Pertinent Data:

Shell's Share: 93.75%

Elevation (KB): 6165'  
Elevation (GL): 6138'  
TD: 12,300'  
PBD: 12,270'  
Casing: 13-3/8", 68#, K-55 to 308'  
9-5/8", 40#, K-55 to 6000'  
7", 26#, S-95 & P-110 to 10,703'  
Liner: 5", 18#, N-80, 10,620'-12,298' & 5 1/2"; 15.5#; N-80; 7000'-10,620'  
Tubing: 2-7/8", EUE, 6.5#, N-80 to 10,367'  
Packer: Guiberson Uni-VI at 10,367'  
Perforations: 10,405'-12,257' (656 holes)  
Artificial Lift: Converting from gas lift to beam pump

Objective: Stimulate the Wasatch.

Current Status: 40 BO + 135 BW + 134 MCF gas with 286 MCF injection gas

Procedure:

1. RIH with tubing and 5" fullbore packer and set packer at 10,300'±.
2. Acid treat perfs 10,405'-12,257' (656 old) with 40,000 gallons of 7-1/2% HCl as follows:
  - a. Pump 1,000 gallons 7-1/2% HCl.
  - b. Pump 4,000 gallons acid, dropping one ball sealer (7/8" RCN with 1.2 S.G.) every 60 gallons.
  - c. Pump 1,000 gallons acid containing 1000# benzoic acid flakes.
  - d. Repeat step (b) 7 more times and step (c) 6 more times for a total of 8 stages acid and 7 of diverting material (total 40,000 gallons acid and 533 ball sealers).
  - e. Flush with 100 bbls of clean produced water containing 5 gals/100 bbl Tretolite Xcide 102 Biocide.

Notes: (1) All acid and flush to contain 5# J-120/1000 gallons HCl or equivalent for +60% friction reduction and 1.0# 20-30 mesh RA sand per 1,000 gallons (no RA sand in flush).

- (2) All acid to contain three gallons C-15/1,000 gallons HCl for four hours exposure at 210°F and the necessary surfactant (tested for compatibility with formation fluids) and one gallon Nalco Visco 4987/100 gallons HCl.
  - (3) Maintain 2500 psi surface casing pressure during treatment if possible.
  - (4) Pumping rates: pump at maximum possible without exceeding 6500 psi differential pressure between tubing and annulus.
  - (5) Increase amount of diverting material if necessary to obtain a gradual increase in treating pressure and/or decrease in rate.
  - (6) Record ISIP and shut-in pressure decline for at least 20 minutes.
3. Run RA log from PBTD to 10,200'±.
  4. a. If well flows, release rig and put on production. When well can be controlled with water, move in rig and proceed to step 5.  
b. If well does not flow, continue with step 5.
  5. Continue with installation of beam pumping equipment (AFE # 524252) and return well to production.
  6. Report well tests on morning report until production stabilizes.

Requested by:

H. L. Lutzen

Approved:

[Signature]

Date:

7/19/82

WFLK  
LLL:LAM  
7/19/82

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

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# SUNDRY NOTICES AND REPORTS ON WELLS

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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1445' FNL + 1894' EEL SEC. 24</u>		8. FARM OR LEASE NAME <u>BROTHERSON</u>
14. PERMIT NO.		9. WELL NO. <u>1-2434</u>
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6165' KB</u>		10. FIELD AND POOL, OR WILDCAT <u>ALTAMONT</u>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>S 24 NE 1/4 T 25 R 4 W</u>
		12. COUNTY OR PARISH <u>DUCHEPNE</u>
		13. STATE <u>UTAH</u>

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>CONVERT TO BEAM</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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SEE ATTACH 60

18. I hereby certify that the foregoing is true and correct

SIGNED

W. E. N. KELLDORF

TITLE DIVISION PROD. ENGINEER

DATE

9/20/74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 395  
ISSUED 08/25/82

WELL: BROTHERSON 1-2484  
LABEL: FIRST REPORT  
AFE: 524252  
FOREMAN: KENT RUST  
RIG: WDW 22  
OBJECTIVE: INSTALL PUMPING UNIT EQUIP.  
AUTH. AMNT: 160000  
DAILY COST: 4150 RIG COST  
CUM COST: 4150  
DATE: 7-12 AND 7-13-82  
ACTIVITY: 7-12-82 ACTIVITY: AFE 524252 PROVIDES FUNDS IN THE  
\*02\* AMOUNT OF 160000 TO PURCHASE AND INSTALL BEAM  
\*03\* PUMPING EQUIPMENT. MIRU REMOVE WELLHEAD AND PUT  
\*04\* ON BOP. RELEASE PKR. POOH W/S 1/2 INCH GUIBERSON  
\*05\* PKR. AND 9 GAS LIFT MANDRELS. START IN HOLE W/4  
\*06\* 1/8 INCH MILL AND TBG. 50 STDS. S.D.O.N.  
\*07\* 7-13-82 STATUS: C.O. 5 INCH LINER.

LABEL: ----  
DAILY COST: 7750 RIG COST  
CUM COST: 18550  
DATE: 7-13 THRU 7-15-82  
ACTIVITY: 7-13-82 DAILY COST 6650 CUM. COST 10800. ACTIVITY:  
\*02\* FINISH IN HOLE WITH 4 1/8 INCH MILL. PICKED UP  
\*03\* 2 JTS. OF TBG. OFF PIPE RACKS. MILL GOT STUCK  
\*04\* AT 10437 FT. TRIED PULLING OUT BUT COULD NOT.  
\*05\* R.U. DELSCO. RIH W/SPEAR TO RECOVER COLLAR STOP  
\*06\* AT 4600 FT. COULD NOT GET DOWN TO COLLAR STOP.  
\*07\* BECAUSE OF BUILD UP OF SCALE IN TBG. SPOTTED 250  
\*08\* GAL 15% HCL FOLLOWED BY 60 BBLs WTR. DOWN TBG. RIH  
\*09\* W/OVERSHOT. WORKED W/COLLAR STOP AND  
\*10\* FINALLY GOT IT TO BREAK LOOSE. MADE SEVERAL RUNS  
\*11\* W/VARIOUS SIZE TOOLS 2 1/4 INCH THRU 1 1/2 INCH  
\*12\* TRYING TO GET TO BOTTOM OF TBG. COULD NOT GET TO  
\*13\* BOTTOM OF TBG. PUMPED 200 BBLs 200 DEGREE PROD.  
\*14\* WTR DOWN TBG. WAITING FOR ADDITIONAL ACID. 7-14-82  
\*15\* COSTS GIVEN IN HEADING. STATUS: CLEAN UP  
\*16\* TBG. AND SHOOT OFF TBG. ACTIVITY: SPOTTED 1000 GAL.  
\*17\* 15% HCL. PUMPED ACID SLOWLY. FOLLOWED ACID BY 25  
\*18\* BBLs. PROD. WTR. LET ACID SET FOR 2 HRS. PUMPED  
\*19\* ACID AWAY W/50 BBLs PROD WTR. PULLED ON TBG. AND

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 395  
ISSUED 08/25/82

\*20\* IT WAS FREE. R.U. DELSCO. RIH W/FULL GAUGE RING FOR  
\*21\* 2 7/8 INCH TBG. 2.4 INCH. TBG WAS CLEAN TO TD 10437  
\*22\* FT. POOH W/4 1/8 INCH MILL AND TBG. RIH W/4 3/4  
\*23\* INCH BLADED MILL AND 5 1/2 INCH CSG. SCRAPER. S.D.O.N.  
\*24\* 7-15-82 STATUS: C.O. 5 1/2 INCH.

LABEL: -----  
DAILY COST: 6400 RIG COST  
CUM COST: 24950  
DATE: 7-15 AND 7-16-82  
ACTIVITY: 7-15-82 ACTIVITY: BLED 800 LBS. OFF WELL. TAG UP  
\*02\* AT 10366 FT. R.U. POWER SWIVEL. HOOK UP PUMP  
\*03\* TRUCK. CAUGHT CIRCULATION AND STARTED MILLING  
\*04\* MADE 64 FT. TO 10430 FT. PULL UP  
\*05\* 10 FT. AND SPOTTED 1000 GAL. 15% HCL. SCALE IS VERY  
\*06\* HARD. S.D.O.N.  
\*07\* 7-16-82 STATUS: C.O. 5 1/2 INCH.

LABEL: -----  
DAILY COST: 8800 RIG COST  
CUM COST: 33750  
DATE: 7-16 THRU 7-19-82  
ACTIVITY: 7-16-82 ACTIVITY: 0 PSI ON WELL. TAG UP AT  
\*02\* 10440 FT. R.U. POWER SWIVEL. PUMPED 600 BBLs  
\*03\* WTR. BEFORE GETTING CIRCULATION. CIRCULATED HOLE  
\*04\* CLEAN. START MILLING. SCALE IS VERY HARD. MADE  
\*05\* 112 FT. TO 10552 FT. AND FELL THRU TO LINER TOP AT  
\*06\* 10620 FT. S.D.O.N.  
\*07\* 7-17-82 ACTIVITY: 0 PSI ON WELL. POOH W/4 3/4 INCH  
\*08\* BLADED MILL AND 5 1/2 INCH CSG. SCRAPER. RIH W/4  
\*09\* 1/8 INCH MILL AND 5 INCH CSG. SCRAPER. TAG UP AT  
\*10\* 10820 FT. S.D.O.N.  
\*11\* 7-18-82 SUNDAY. 7-19-82 STATUS: CO 5 INCH LINER.

LABEL: -----  
DAILY COST: 5850 RIG COST  
CUM COST: 39600  
DATE: 7-19 AND 7-20-82  
ACTIVITY: 7-19-82 ACTIVITY: BLED 600 LBS. OFF WELL. PUMPED 800  
\*02\* BBLs. WTR. BEFORE GETTING CIRCULATION. CIRCULATED  
\*03\* HOLE CLEAN. STARTED MILLING AT 10859 FT. MADE  
\*04\* HOLE TO 10917 FT. SPOTTED 1000 GAL 15% FOLLOWED BY 60

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 395  
ISSUED 08/25/82

\*05\* BRLS. WTR. S.D.O.N.  
\*06\* 7-20-82 STATUS: C.O. 5 INCH LINER.

LABEL: -----  
DAILY COST: 5150 RIG COST  
CUM COST: 44750  
DATE: 7-20 AND 7-21-82  
ACTIVITY: 7-20-82 ACTIVITY: 0 PSI ON WELL. PUMPED 600 BBLs.  
\*02\* WTR. BEFORE GETTING CIRCULATION. CIRCULATED  
\*03\* HOLE CLEAN. START MILLING AT 10917 FT. MADE 173 FT.  
\*04\* TO 11090 FT. S.D.O.N.  
\*05\* 7-21-82 STATUS: C.O. 5 INCH LINER.

LABEL: -----  
DAILY COST: 6350 RIG COST  
CUM COST: 51100  
DATE: 7-21 AND 7-22-82  
ACTIVITY: 7-21-82 ACTIVITY: 0 PSI ON WELL. PUMPED 600 BBLs.  
\*02\* WTR. BEFORE GETTING CIRCULATION. CIRCULATED HOLE  
\*03\* CLEAN. STARTED MILLING AT 11090 FT. MADE 90 FT. TO  
\*04\* 11180 FT. SPOTTED 500 GAL. 15% WEIGHTED HCL. S.D.O.N.  
\*05\* 7-22-82 STATUS: C.O. 5 INCH LINER.

LABEL: -----  
DAILY COST: 5150 RIG COST  
CUM COST: 56250  
DATE: 7-22 AND 7-23-82  
ACTIVITY: 7-22-82 ACTIVITY: 0 PSI ON WELL. PUMPED 600 BBLs.  
\*02\* WTR. BEFORE GETTING CIRCULATION. CIR.  
\*03\* HOLE CLEAN. STARTED MILLING AT  
\*04\* 11180 FT. MADE HOLE TO 11256 FT. AND FELL THROUGH.  
\*05\* THE SCALE. TAGGED A FEW BRIDGES ON DOWN TO PBTD.  
\*06\* TOTAL DEPTH AT 12270 FT. PLUS OR MINUS.  
\*07\* CIR. HOLE CLEAN. STARTED OUT OF HOLE  
\*08\* WITH 4 1/8 INCH BLADED MILL AND 5 INCH CSG. SCRAPER.  
\*09\* S.D.O.N.  
\*10\* 7-23-82 STATUS: RIH W/PKR. GET READY TO  
\*11\* ACIDIZE.

LABEL: -----  
DAILY COST: 3350 RIG COST  
CUM COST: 59600

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 395  
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DATE: 7-23 AND 7-24-82  
 ACTIVITY: 7-23-82 ACTIVITY: FINISH COMING OUT OF HOLE W/4  
 \*02\* 1/8 INCH MILL AND 5 INCH CSG. SCRAPER. RIH W/5  
 \*03\* 1/2 INCH MT. STATES FULLBORE PKR. SET PKR. AT  
 \*04\* 10305 FT. W/20000 LBS. TENSION. PSI. TEST BACKSIDE  
 \*05\* TO 2500 LBS. REMOVE BOP AND PUT ON 10000 TREE.  
 \*06\* GET READY TO ACIDIZE S.D.O.N.  
 \*07\* 7-24-82 STATUS: ACIDIZE.

LABEL: -----  
 DAILY COST: 4600  
 CUM COST: 70200 RIG WORK ONLY  
 DATE: 7-26 THRU 7-28-82  
 ACTIVITY: 7-26-82 DAILY COST 6000 CUM. COST 65600. ACTIVITY:  
 \*02\* 700 PSI ON WELL. MIRU OWP. RIH W/LOGGING  
 \*03\* TOOLS. RUN RA LOG. LOG SHOWS TREATMENT IN UPPER  
 \*04\* 50% OF PERES ONLY. POOH R.D. OWP. HOOK UP WELL TO  
 \*05\* PIT. BLEED GAS OFF. WELL WOULD NOT FLOW. RELEASE  
 \*06\* PKR. POOH W/TBG AND PKR. S.D.O.N.  
 \*07\* 7-27-82 COSTS GIVEN IN HEADING. STATUS: RIH W/  
 \*08\* TBG. AND ANCHOR. ACTIVITY: PICK UP GUIBERSON TBG.  
 \*09\* ANCHOR. RIH W/TBG. AND ANCHOR. SET ANCHOR AT  
 \*10\* 10306 FT. LAND TBG. R.U. TO RUN RODS. S.D.O.N.  
 \*11\* 7-28-82 STATUS: RUN ROD EQUIP.

LABEL: -----  
 DAILY COST: 3600  
 CUM COST: 73800  
 DATE: 7-28 AND 7-29-82  
 ACTIVITY: 7-28-82 ACTIVITY: RIH W/1 1/2 INCH PUMP AND RODS.  
 \*02\* SEAT PUMP. TEST TO 500 LBS. TEST O.K. INSTALL  
 \*03\* HORSEHEAD. HANG OFF RODS. PUMP W/UNIT TO FLAT  
 \*04\* TANK. GOOD PUMP ACTION. START HOOKING UP FLOW  
 \*05\* LINE. S.D.O.N.  
 \*06\* 7-29-82 STATUS: HOOK UP FLOWLINE. PUT ON PROD.

LABEL: -----  
 DAILY COST: 1600  
 CUM COST: 75400  
 DATE: 7-29-82  
 ACTIVITY: 7-29-82 ACTIVITY: R.D WQW 22. HOOK UP FLOW  
 \*02\* LINE. PUT WELL ON PRODUCTION. THIS WILL BE THE



ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 395  
ISSUED 08/25/82

\*03\* FINAL RIG REPORT ON THIS AFE. THERE WILL BE TEST  
\*04\* DATA PUT IN.

LABEL: FINAL REPORT  
CUM COST: 75400  
DATE: 7-30 THRU 8-5-82  
ACTIVITY: THE RIG MOVED OFF ON 7-29-82. THE FOLLOWING TEST  
\*02\* DATA IS FOR 24 HRS. UNLESS OTHERWISE STATED.  
\*03\* IF TBG. PSI. AND CHOKE SIZE IS NOT LISTED DAILY IT  
\*04\* IS THE SAME AS THE DAY BEFORE. 7-30-82 0 OIL  
\*05\* 286 WTR 78 MCF GAS 100 TBG PSI 64/64 CHOKE.  
\*06\* 7-31-82 21 OIL 372 WTR 75 MCF 8-1-82 37 OIL  
\*07\* 374 WTR. 132 MCF 8-2-82 44 OIL 369 WTR 136  
\*08\* MCF GAS 8-3-82 42 OIL 324 WTR 136 MCF GAS.  
\*09\* 8-4-82 2 OIL 326 WTR 136 MCF GAS. 8-5-82  
\*10\* 66 OIL 287 WTR. 98 MCF  
\*11\* NOTE: THAT TBG PSI AND CHOKE SIZE STAYED  
\*12\* THE SAME.

STATE OF UTAH  
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## SUNDRY NOTICES AND REPORTS ON WELLS

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<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR <u>Shell Oil Company</u></p> <p>3. ADDRESS OF OPERATOR <u>P.O. Box 831 Houston, Tx 77001 ATTN: P.G. GELING RM. #6459 WCK</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  <u>1445' ENL + 1894' FEL SEC. 24</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <u>PATENTED</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME <u>ALTAMONT</u></p> <p>8. FARM OR LEASE NAME <u>BROTHERSON</u></p> <p>9. WELL NO. <u>1-24134</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>ALTAMONT</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>SW 1/4 NE 1/4 T2S R4W</u></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6165' KB</u></p>	<p>12. COUNTY OR PARISH <u>DUCHESSNE</u></p> <p>13. STATE <u>Utah</u></p>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>
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SUBSEQUENT REPORT OF:

<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input checked="" type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>
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SEE ATTACHEO

18. I hereby certify that the foregoing is true and correct

SIGNED W. F. N. KELLDORF  
(This space for Federal or State office use)

TITLE DIVISION PROD. ENGINEER

DATE 9/20/12

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 396  
ISSUED 08/25/82

WELL: BROTHERSON 1-24B4  
LABEL: FIRST RPT. ON AFE 574997  
AFE: AFE 574997  
FOREMAN: R. G. THOMPSON  
RIG: WDW 22  
OBJECTIVE: ACID TREAT WELL.  
AUTH. AMNT: 79000  
DAILY COST: 78400  
CUM COST: 78400  
DATE: 7-24 AND 7-26-82  
ACTIVITY: 7-24-82 W.O. 574997 PROVIDES FUNDS IN THE AMOUNT  
\*02\* OF 79000 TO STIMULATE THE WASATCH IN THE BROTHERSON  
\*03\* 1 24B4 - . ACTIVITY: MIRU NOWSCO. ACID TREAT PERFS.  
\*04\* W/40000 GAL OF 7 1/2 % HCL AS PER PROG. MAX RATE  
\*05\* 14.5 BBLs/MIN. AVG RATE 11.7 BBLs/MIN. MAX PSI  
\*06\* 8960 PSI. AVG PSI 8500 PSI. ISIP 2500 PSI 5 MIN  
\*07\* SIP 1940 PSI. 10 MIN SIP 1700 PSI. 15 MIN SIP 1600  
\*08\* PSI 20 MIN SIP 1500 PSI. R.D. NOWSCO. MIRU OWP  
\*09\* RIH. W/LOGGING TOOLS. COULD NOT GET DOWN.  
\*10\* S.D.F.W.E.  
\*11\* 7-26-82 STATUS: LOG AND FLOW TEST WELL.

LABEL: FINAL REPORT  
CUM COST: 78400  
DATE: 7-29-82  
ACTIVITY: THIS IS THE FINAL REPORT ON AFE 574997  
\*02\* WHICH WAS TO ACIDIZE ONLY. THE TEST DATA IS ON  
\*03\* OR UNDER SORTWELL CODE 395 WHICH  
\*04\* IS FINALED TODAY ALSO. TO REPEAT: THIS IS THE  
\*05\* LAST REPORT ON THIS AFE NUMBER 574997 WHICH  
\*06\* WAS TO STIMULATE AND ACIDIZE ONLY.  
\*07\* THE ACIDIZE JOB WAS DONE ON THE 7-24-82.

**Shell Oil Company**



P.O. Box 831  
Houston, Texas 77001

December 30, 1983

Mr. Norm Stout  
State of Utah  
Natural Resources  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Dear Mr. Stout:

TRANSFER OF OWNERSHIP AND ASSETS  
FROM SHELL OIL COMPANY TO  
SHELL WESTERN E&P INC.  
STATE OF UTAH

In accordance with our recent conversation, the purpose of this letter is to reduce to writing that Shell Western E&P Inc. ("SWEPI"), a subsidiary of Shell Oil Company, has been formed. Shell Western E&P Inc. is a Delaware corporation with its offices located at 200 North Dairy Ashford Road in Houston, Texas. The mailing address is P. O. Box 831, Houston, TX 77001.

Effective January 1, 1984, Shell Oil Company will transfer portions of its oil and gas operations to Shell Western E&P Inc. and Shell Western E&P Inc. will assume all of the rights, interests, obligations and duties which Shell Oil Company currently has as a result of its exploration, development and production operations in the State of Utah.

As you are aware, Shell Oil Company is currently the holder of various permits and agency authorizations. In view of the fact that Shell Western E&P Inc. will assume all of the liabilities and obligations of Shell Oil Company's exploration and production activities within the state, we respectfully request that you transfer all permits or other authorizations from Shell Oil Company to Shell Western E&P Inc., effective January 1, 1984.

To support this request, a copy of the power of attorney appointing the undersigned as Attorney-in-Fact for Shell Western E&P Inc. is enclosed. On behalf of Shell Western E&P Inc., enclosed are recently issued Bond No. Shell 1835 and Bond No. Shell 1841. The bonds were issued by the Insurance Company of North America. In the near future, I shall request that the existing Shell Oil Company bonds be released.

It is my understanding, pursuant to our prior discussion, that this letter will comply with your requirement regarding the change in the name of the permittee.

Sufficient copies of this letter are being provided to your office so that a copy can be placed in each appropriate file. A listing of active wells is enclosed. Thank you in advance for your cooperation in this matter.

Yours very truly,

*G. M. Jobe*

G. M. Jobe  
Administrator, Regulatory-Permits  
Rocky Mountain Division  
Western E&P Operations

GMJ:beb

Enclosures

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

UTEX OIL CO.  
% SHELL WESTERN E&P INC.

PC BOX 576

HOUSTON

TX

77001

ATTN: P.T. KENT, OIL ACCT.

Operator name  
change

Utah Account No. N0840

Report Period (Month/Year) 8 / 84

Amended Report ☐

Well Name	Entity	Location	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
BABCOCK 1-1883							
4301330219	01855 02S	03W 18	GR-WS	31	938	1139	9512
BROTHERSON 1-2684							
4301330336	01856 02S	04W 26	WSTC	30	529	4902	1019
SHELL UTE 1-2185							
4301330262	01860 02S	05W 21	WSTC	23	789	1024	4634
HANSON TRUST 1-29A3							
4301330314	01861 01S	03W 29	GRRV	22	182	925	4424
BROTHERSON 1-2484							
4301330229	01865 02S	04W 24	WSTC	31	848	2764	4876
UTE 1-12B6							
4301330268	01866 02S	06W 12	WSTC	31	179	20	210
TEW 1-1B5							
4301330264	01870 02S	05W 1	GR-WS	28	3764	1874	5949
GOODRICH 1-1882							
4301330397	01871 02S	02W 18	GR-WS	31	1165	1239	4027
MEAGHER EST 1-20B2E							
4304730186	01875 02S	02E 20	WSTC	31	551	466	0
UTE 1-34B1E							
4304730198	01880 02S	01E 34	WSTC	3	10	8	0
WHITEHEAD 1-22A3							
4301330357	01885 01S	03W 22	WSTC	24	1401	3176	956
UTE TRIBAL 1-26A3							
4301330348	01890 01S	03W 26	WSTC	31	1999	1846	6209
UTE 1-06B2							
4301330349	01895 02S	02W 6	WSTC	18	1701	3223	2572
TOTAL					14056	22606	44388

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date

9-28-84

Authorized signature

Telephone

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
UTAH STATE OFFICE  
324 SOUTH STATE STREET, SUITE 301  
SALT LAKE CITY, UTAH 84111-2303

Shell-Gulf-Brotherson  
1-24B4

July 24, 1985

Utex Oil Company  
Suite 600  
1245 East Brickyard Road  
Salt Lake City, Utah 84106

Re: Communitization Agreement  
Successor of Operator  
Duchesne & Uintah Counties, Utah

Gentlemen:

On July 16, 1985, we received 26 indentures whereby Utex Oil Company is recognized as Successor of Operator for the following communitization agreements: 96-000023, 96-000043, 96-000046, 96-000054, 96-000055, 96-000056, 96-000059, 96-000060, 96-000068, 96-000070, 96-000071, 96-000072, 96-000074, 96-000078, 96-000079, 96-000081, 96-000084, 96-000085, 96-000103, 9C-000125, 9C-000131, 9C-000134, 9C-000138, 9C-000140, 9C-000143 and 9C-000199.

These instruments are hereby accepted effective as of July 24, 1985. Please advise all interested parties of the change in communitization agreement operator.

Sincerely,

(Orig. Sgd.) R. A. Henricks

R. A. Henricks  
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Division of Oil, Gas and Mining  
BIA  
Ute Tribe  
District Manager - Vernal (w/enclosure)  
File - CA (26)  
Accounts-Denver  
Agr. Sec. Chron.

U-922:TAThompson:tt:7-24-85:x3025

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

REMIT IN TRIPLICATE  
(Other instructions on  
reverse side)

010200A

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR ANR Limited Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any requirements. See also space 17 below.) At surface See attached list		8. FARM OR LEASE NAME Brotherson
14. PERMIT NO. 43-013-30229		9. WELL NO. 1-24/84
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT
16. DIVISION OF OIL, GAS & MINING DEC 31 1986		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24 T. 25 N. 4 W.
		12. COUNTY OR PARISH Muskogee
		13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) - Change Operator <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ANR Limited has been elected successor Operator to Utex Oil Company on the oil wells described on the attached Exhibit "A".

18. I hereby certify that the foregoing is true and correct

SIGNED Don K. Nelson TITLE Dist. Land Mgr. DATE 12/24/86

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_





UTAH  
NATURAL RESOURCE  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)

Page 8 of 10

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ANR LIMITED INC./COASTAL  
P O BOX 749  
DENVER CO 80201 0749  
ATTN: RANDY WAHL

Utah Account No. N0235

Report Period (Month/Year) 11 / 87

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
BROTHERSON 1-26B4							
4301330336	01856	02S 04W 26	WSTC				
SHELL UTE 1-21B5							
4301330262	01860	02S 05W 21	WSTC				
HANSON TRUST 1-29A3							
4301330314	01861	01S 03W 29	WSTC				
BROTHERSON 1-24B4							
4301330229	01865	02S 04W 24	WSTC				
UTE 1-12B6							
4301330268	01866	02S 06W 12	WSTC				
TEW 1-1B5							
4301330264	01870	02S 05W 1	WSTC				
MEAGHER EST 1-20B2E							
4304730186	01875	02S 02E 20	WSTC				
WHITEHEAD 1-22A3							
4301330357	01885	01S 03W 22	WSTC				
UTE TRIBAL 1-26A3							
4301330348	01890	01S 03W 26	WSTC				
UTE 1-06B2							
4301330349	01895	02S 02W 6	WSTC				
ELLSWORTH 1-20B4							
4301330351	01900	02S 04W 20	WSTC				
LAWSON 1-28-A1							
4301330358	01901	01S 01W 28	WSTC				
ELLSWORTH #2-20B4							
4301331090	01902	02S 04W 20	WSTC				
TOTAL							

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete.

Date \_\_\_\_\_

Authorized signature \_\_\_\_\_

Telephone \_\_\_\_\_

PLEASE COMPLETE FORMS IN BLACK INK

# ANR

**ANR Production Company**  
a subsidiary of The Coastal Corporation

012712

**RECEIVED**  
JAN 25 1988

DIVISION OF  
OIL, GAS & MINING

January 19, 1988

Natural Resources  
Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Ms. Lisha Romero

*No 235*  
This letter includes the information you requested on January 12, 1988 concerning the recent merger of ANR Limited, Inc. into ANR Production Company. Effective December 31, 1987 (December, 1987 Production), ANR Limited, Inc. merged into ANR Production Company; and henceforth, will continue operations as ANR Production Company.

*No 675* ANR Production Company will begin reporting and remitting the Utah Conservation and Occupation Taxes effective December, 1987 production for leases previously reported by ANR Limited, Inc. (Utah Account No. N-7245). ANR Production Company will use the new Utah Account No. N-0675, as assigned by the State of Utah.

Please contact me at (713) 877-6167 if I can answer any questions on this matter.

Very truly yours,

*Roger W Sparks*  
Roger W. Sparks  
Manager, Crude Revenue Accounting

*The computer shows the ANR Limited wells listed under account no. NO235.*  
DTS  
1-26-88

CC: AWS

CTE:mmw

Lisha,

*I don't see any problem w/this. I gave a copy to Arlene so she could check on the bond situation. She didn't think this would affect their bond as the bond is set up for Coastal and its subsidiaries (ANR, etc.) No Entity Number changes are necessary. DTS 1-26-88*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reenter into a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1445' FNL & 1894' FEL  
Section 24, T2S-R4W

43-013-30229 POW

5. Lease Designation and Serial No.  
Fee

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson

9. API Well No.

1-24B4

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne CO, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other Clean Out and Acidize  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PROPOSED PROCEDURE

- 1) MIRU service rig. Kill well. POOH w/rods, pump and tubing.
- 2) Clean out 5-1/2" and 5" liner to 12,270'.
- 3) RIH w/5-1/2" x 2-7/8" pkr. on 2-7/8" x 3-1/2" tbg. and set @ 10,300'.
- 4) Acidize Wasatch perms 10,405-12,257' w/18,000 gals. 15% HCl w/additives and 900 l.l s.g. ball sealers.
- 5) Flow back acid load. Unseat pkr. and POOH.
- 6) Rerun production equipment and return well to production.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 12-11-90  
BY: Matthew

14. I hereby certify that the foregoing is true and correct

Signed

Title

Regulatory Analyst

Date

12-4-90

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. Fee
2. Name of Operator ANR Production Company	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476	7. If Unit or CA, Agreement Designation CA #9674
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1445' FNL & 1894' FEL Section 24, T2S-R4W	8. Well Name and No. Brotherson #1-24B4
	9. API Well No. 43-013-30229
	10. Field and Pool, or Exploratory Area Altamont
	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Clean out and Acidize</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date or starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for the clean out and acid job performed on the above-referenced well.

RECEIVED

APR 25 1991

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

*Edith Danni Day*

Title

Regulatory Analyst

Date 4/22/91

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 1

BROTHERSON #1-24B4 (CO & ACIDIZE)  
ALTAMONT/BLUEBELL FIELD  
DUCHESE COUNTY, UTAH  
WI: 70.3125% ANR AFE: 63370  
TD: 12,300' PBD: 12,270'  
5" LINER @ 10,620'-12,298'  
PERFS: 10,405'-12,257' (WASATCH)  
CWC(M\$): \$92.5

3/26/91 POOH w/pmp BHA. MIRU. LD HH. POOH w/86 tapered rod string and pump.  
DC: \$4,719 TC: \$4,719

3/27/91 Repair csg head. Jar tbg donut free. Black oil leak behind 7" csg. NU BOP's. POOH w/rod pmp BHA on 2-7/8" tbg.  
DC: \$5,556 TC: \$10,275

3/28/91 Repair sfc leak. Set RBP @ 2018'. Bleed down black oil flow. Circ 7" csg.  
DC: \$4,995 TC: \$15,270

4/1/91 Clean out 5" liner. Repair WH. NU BOP's. RIH and retrieve RBP @ 2018'. Start RIH w/4-3/4" mill.  
DC: \$3,522 TC: \$18,792

4/2/91 RIH w/4-1/8" mill. RIH w/4-3/4" mill to 10,620'. POOH.  
DC: \$3,936 TC: \$22,728

4/3/91 RIH w/5-1/2" pkr. RIH w/4-1/8" mill & CO tools to 12,258'. Clean out fill to PBD @ 12,270'. POOH w/CO tools and 4-1/8" mill.  
DC: \$5,645 TC: \$28,373

4/4/91 Swab back load volume. RIH w/5-1/2" pkr on 3-1/2" tbg and set @ 7074'. Acidize Wasatch w/18,000 gals 15% HCl + add and diverters + 900 - 1.1 BS. MTP 8200#, ATP 6500#, MIR 31 BPM, AIR 29 BPM, ISIP 1500#, 10 min O#, 991 BLWTBR. RU swab equip. IFL @ 6500'. Swbd 4 runs. FFL @ 6900'. Rec'd 2 BLW.  
DC: \$42,206 TC: \$70,579

✓ 4/5-6/91 Return to prod. RIs pkr @ 7074'. POOH & LD 3-1/2" tbg. RIH w/PBGA, TAC and bottomhole assembly. Set TAC @ 10,339'. RIH w/1-1/4" pump & rods. Return to prod.  
DC: \$11,667 TC: \$82,346

4/6/91 Pmpd 13 BO, 243 BW, 26 MCF.

4/7/91 Pmpd 14 BO, 131 BW, 35 MCF.

4/8/91 Pmpd 30 BO, 215 BW, 58 MCF.

4/9/91 Pmpd 15 BO, 210 BW, 81 MCF.

4/10/91 Pmpd 25 BO, 175 BW, 73 MCF.

4/11/91 Pmpd 38 BO, 165 BW, 75 MCF.

4/12/91 Pmpd 31 BO, 187 BW, 80 MCF.

4/13/91 Pmpd 26 BO, 211 BW, 100 MCF.

4/14/91 Pmpd 21 BO, 161 BW, 75 MCF.

4/15/91 Pmpd 12 BO, 230 BW, 9 MCF/16 hrs.

4/16/91 Pmpd 11 BO, 244 BW, 72 MCF/24 hrs.

4/17/91 Pmpd 41 BO, 208 BW, 93 MCF/24 hrs.

Prior prod: 19 BO, 99 BW, 89 MCF. Final report.

RECEIVED

APR 25 1991

DIVISION OF  
OIL GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

9243

63910

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells; deepen existing wells; or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT for such proposals.

6. Lease Designation and Serial Number

Fee

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

CA #9674

9. Well Name and Number

Brotherson #1-24B4

10. API Well Number

43-013-30229

11. Field and Pool, or Wildcat

Altamont

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other (specify)

2. Name of Operator

ANR Production Company

3. Address of Operator

P. O. Box 749 Denver, CO 80201-0749

4. Telephone Number  
(303) 573-4476

5. Location of Well

Footage : 1445' FNL & 1894' FEL  
QQ. Sec. T. R. M. : SW/NE Section 24, T2S-R4W

County : Duchesne

State : UTAH

## CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- ☐ Abandonment  
☐ Casing Repair  
☐ Change of Plans  
☐ Conversion to Injection  
☐ Fracture Treat  
☐ Multiple Completion  
☐ Other
- ☐ New Construction  
☐ Pull or Alter Casing  
☒ Recompletion  
☐ Shoot or Acidize  
☐ Vent or Flare  
☐ Water Shut-Off

Approximate Date Work Will Start 2/28/92

### SUBSEQUENT REPORT (Submit Original Form Only)

- ☐ Abandonment  
☐ Casing Repair  
☐ Change of Plans  
☐ Conversion to Injection  
☐ Fracture Treat  
☐ Other
- ☐ New Construction  
☐ Pull or Alter Casing  
☐ Shoot or Acidize  
☐ Vent or Flare  
☐ Water Shut-Off

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

• Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached procedure to recomplete the above referenced well to the Lower Green River formation.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 2-6-92

BY: J. H. Matthews

RECEIVED

FEB 05 1992

DIVISION OF  
OIL GAS & MINING

I hereby certify that the foregoing is true and correct

Name &amp; Signature

(Print Name Only)

Bileen Danni Day

Title Regulatory Analyst Date 1/30/92

# STIMULATION PROCEDURE

BROTHERSON #1-24B4  
Section 24, T2S, R4W  
Altamont Field  
Duchesne County, Utah

## WELL DATA

Location: 1445' FNL and 1894' FEL  
Elevation: 6165' KB; 6138' GL  
Total Depth: 12,300' PBD: 12,270'  
Casing: 9-5/8", 40#, K-55 set @ 6000'  
7", 26#, S-95 & P-110 set @ 10,703'  
5-1/2", 15.5#, K-55 set 7000'-10,620'  
5", 18#, N-80 set @ 10,620'-12,298'  
Tubing: 2-7/8", 6.5#, N-80 @ 10,349' w/Baker anchor catcher  
Tubular Data:

Description	ID	Drift	Capacity	Burst	Collapse
7", 26#, S-95	6.276"	6.151"	.0382 B/F	8600 psi	7800 psi
7", 26#, P-110	6.276"	6.151"	.0382 B/F	9960 psi	6210 psi
5-1/2", 15.5#, K-55	4.950"	4.825"	.0238 B/F	4810 psi	4040 psi
5", 18#, N-80	4.276"	4.151"	.0177 B/F	10140 psi	10490 psi
2-7/8", 6.5#, N-80	2.441"	2.347"	.0325 B/F	10570 psi	11160 psi

## WELL HISTORY

November 1973: Initial completion, perf 10,711' to 12,228', 1 SPF, 116 total holes. Acidized all perms w/36,300 gals 15% HCl. Flowed 93 BOPD, 0 BWPD, 153 MCFPD on a 16/64" choke w/a FTP of 1300 psi.

March 1977: Mud acid treatment of perforations from 10,711' to 12,228'. Pumped 500 gals 15% HCl and 3000 gals mud acid. Production prior to treatment: SI unproductive. Production after treatment: Trace of oil.

July 1977: Set 5 1/2" scab liner across parted 7" csg at 7350', 7400' and 10,500' from 7000' to 10,620'. Perf from 10,405' to 11,500', 39 total holes, 1 SPF. Acidize perms from 10,405' to 11,451' (111 holes) w/30,000 gals 15% HCl and 37,000 gals. Production prior to workover: 0. Production after workover: Flowed on a 14/64" chk w/a FTP of 1300 psi, 256 BOPD, 203 BWPD, and 437 MCFPD.

December 1977: Initiate gas lift

July 1980: CO wellbore to 12,268', perf 10,405' to 12,257', 3 SPF, 501 total perforations. Acidized top 500' of perforated interval w/34,800 gals 7 1/2% HCl and bottom 1350' of perforated interval w/23,000 gals 7 1/2% HCl. Production prior to workover: 9 BOPD, 12 BWPD, and 259 MCFPD. Production after workover: 289 BOPD, 278 BWPD, and 500 MCFPD.

July 1982: Acidize all perfs w/40,000 gals 7½% HCl.  
Convert to beam pump.  
Production before workover: 46 BOPD, 145 BWPD, 138 MCFPD  
Production after workover: 66 BOPD, 287 BWPD, 98 MCFPD

April 1991: CO wellbore to 12,270'. Acidize all perfs from 10,620' to 12,298', 656 holes, w/18,000 gals 15% HCl.  
Production before workover: 19 BOPD, 99 BWPD, 89 MCFPD  
Production after workover: 41 BOPD, 208 BWPD, 93 MCFPD

#### PRESENT STATUS

Producing as of January 12, 1992: 17 BOPD, 64 BWPD and 44 MCFPD w/fluid at the pump with a 1¼# pump, 8 SPM, 143" stroke.

#### PROCEDURE

1. MIRU service rig. Kill well if necessary. ND wellhead and NU BOPE. Stand back rods and tubing.
2. PU and RIH w/4-1/8" mill and CO tools. CO 5" liner to PBTD at ±12,270'. POOH.
3. RU wireline service company. PU and RIH w/a 5½" RBP. Set RBP @ ±10,390'. Drop 2 sxs of sand on plug. PU and RIH w/4" csg gun, 3 SPF, 120° phasing, and perforate the Lower Green River formation from 9191' to 10,298', 52 settings, 156 total holes per the attached prog.
4. PU and RIH w/2200' 2-7/8" N-80 6.5# 8rd tbg, 6940' 3½" 9.3# N-80 8rd tbg and 5½" HD treating pkr. Set pkr @ ±9140'.
5. Acidize Lower Green River formation perfs from 9191' to 10,298', 156 total holes, w/5000 gals 15% HCl w/300 - 1.1 BS's and specified additives. Max treating press 8000 psi.  
  
NOTE: The above acid job should be designed to include:  
A) All fluids to be heated to 150°F.  
B) Precede acid w/100 bbls 3% KCl wtr w/10 gals per 1000 gals scale inhibitor w/50 1.1 BS's evenly spaced.  
C) All water to contain 3% KCl.  
D) Acidize in 1 stage w/250 - 1.1 BS's evenly spaced.  
(Note: Xylene is not required in this stimulation.)
6. Flow/swab back acid load.
7. If the Green River production appears to be substantial release pkr and RIH w/production equipment. Consult w/Denver office for rod design and SN setting depth. The RBP will be pulled when the Green River is pumped down.
8. If the Green River production is not strong, release pkr and POOH. PU & RIH w/retrieving head and CO tools. CO wellbore and release plug at 10,390'. POOH. RIH w/production equipment. Consult w/Denver office for rod design and SN setting depth.



### Lower Green River Perforation Schedule

10298	10071	9796	9402	9156
10291	10047	9790	9393	9119
10271	10041	9714	9385	9057
10248	10008	9691	9370	9027
10239	9996	9684	9357	9010
10232	9990	9676	9347	8919
10156	9945	9666	9299	8893
10151	9939	9661	9284	8865
10137	9920	9634	9273	8852
10129	9873	9627	9262	8841
10121	9869	9548	9216	8832
10118	9822	9450	9197	8826
10115	9816	9415	9191	8806
				8793

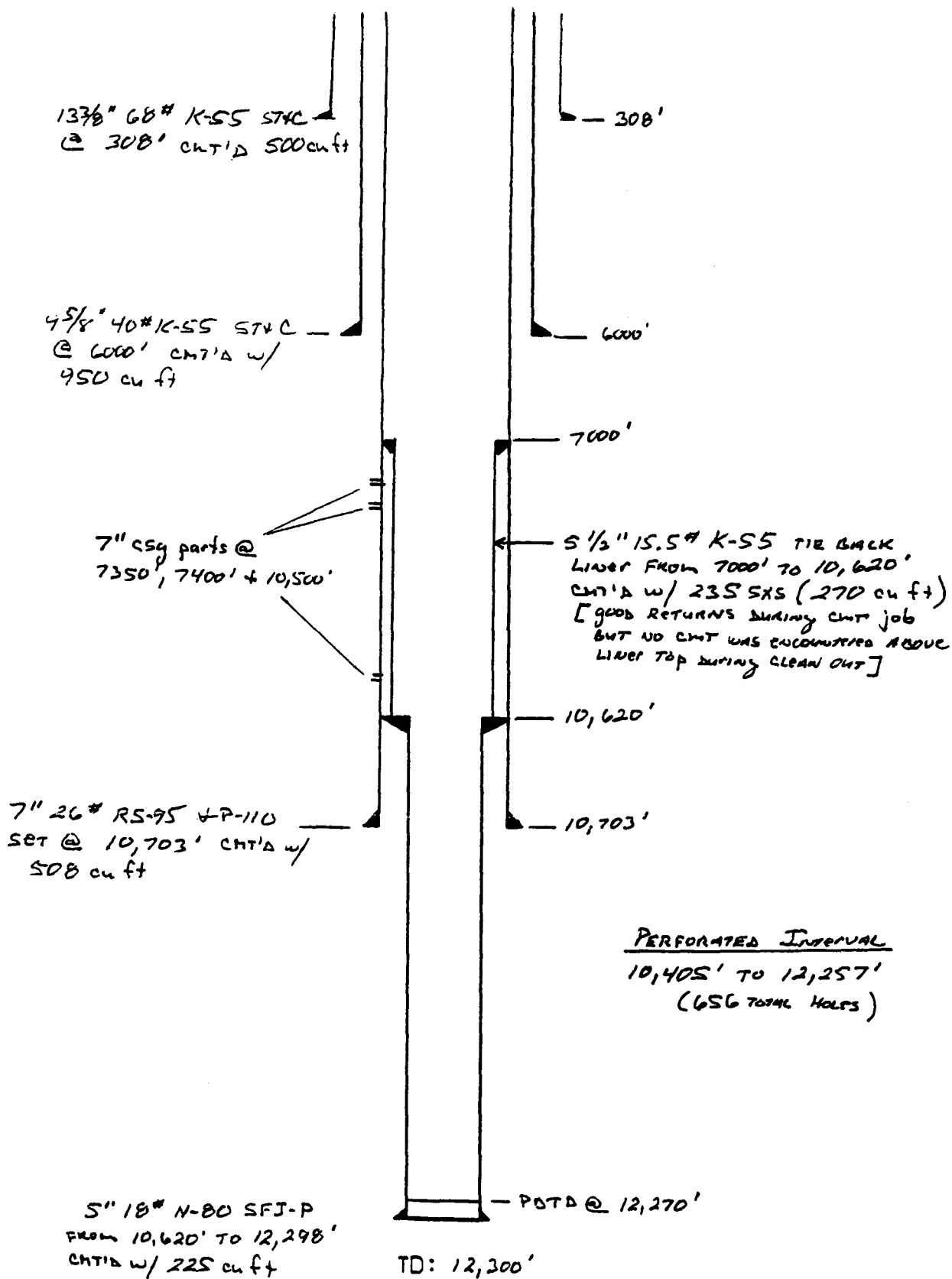
RJL *RJL*  
1/07/92

# PRESENT WELLBORE SCHEMATIC

BROTHERSON #1-2484

S.C. Frutch

1/17/92



THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #1-24B4 (Green River Recompletion)  
ALTAMONT/BLUEBELL FIELD  
DUCHESNE COUNTY, UTAH  
WI: 70.3125% ANR      AFE: 63910  
TD: 12,300'      PBSD: 10,350' (RBP)  
5" LINER @ 10,620'-12,298'  
PERFS: 9,191'-12,257' (WASATCH)  
CWC(M\$): \$86.0

Page 2

4/20/92      Finish POOH w/prod tbg. MIRU. POOH w/rods. SOH w/tbg.  
DC: \$3,225      TC: \$3,225

4/21/92      RIH w/CO tools. Fin POOH w/prod equip. Repair wellhead.  
DC: \$4,146      TC: \$7,371

4/22/92      Prep to perf. Tag fill in 5" liner @ 12,254'. CO to 12,270'. POOH.  
DC: \$5,174      TC: \$12,545

4/23/92      Prep to RIH w/pkr & 3-1/2" tbg. Set RBP @ 10,350'. Spot 2 sx of  
sand on top. Perf L. Green River interval from 9,191' to 10,298', 3  
SPF, 52 settings, 156 total holes. IFL @ 6300', FFL @ 5700'.  
DC: \$17,610      TC: \$30,137

4/24-25/92      Prep to RIH w/prod equip. Acidized L. Green River perfs from  
9,191'-10,298', 156 holes w/5000 gal 15% HCl w/add & 300 - 1.1 SG  
BS's. MTP 8600 psi, MTR 22 BPM, ATP 8000 psi, ATR 18 BPM. Excellent  
diversion. ISIP 2850 psi, 5 min 2750 psi, 10 min 2480 psi, 15 min  
2210 psi. Flwd 2 hrs - 60 BW. Made 17 swab trips. IFL @ 1000', FFL  
@ 3300'. Last 2 trips 90% oil. Total fluid rec - 53 BO, 148 BW.  
Rls pkr, POOH & LD 3-1/2" tbg.  
DC: \$43,035      TC: \$73,172

4/27/92      Place well on rod pump prod. RIH w/rod pump BHA. ND BOP's. Set TAC  
@ 9149', PSN @ 9041'. NU WH. RIH w/rods & 1-3/4" pump. Space out.  
Hang well off. PT tbg to 500#. RDSU.  
DC: \$6,639      TC: \$79,811

4/27/92      Pmpd 40 BO, 232 BW, 11 MCF/12 hrs.

4/28/92      Pmpd 79 BO, 138 BW, 16 MCF.  
DC: \$5,819      TC: \$85,630

4/29/92      Pmpd 90 BO, 15 BW, 16 MCF.

4/30/92      Pmpd 85 BO, 9 BW, 26 MCF.

Prior prod: 16 BO, 71 BW, 32 MCF. Final report.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells; deepen existing wells; or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT— for such proposals.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		6. Lease Designation and Serial Number Fee
2. Name of Operator ANR Production Company		7. Indian Allottee or Tribe Name N/A
3. Address of Operator P. O. Box 749    Denver, CO 80201-0749		8. Unit or Communitization Agreement CA #9674
4. Telephone Number (303) 573-4476		9. Well Name and Number Brotherson #1-24B4
5. Location of Well Footage : 1445' FNL & 1894' FEL QQ. Sec. T., R., M. : SW/NE Section 24, T2S-R4W		10. API Well Number 43-013-30229
County : Duchesne State : UTAH		11. Field and Pool, or Wildcat Altamont
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

## NOTICE OF INTENT (Submit in Duplicate)

- |  |  |
|--|--|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing    |
| <input type="checkbox"/> Change of Plans         | <input checked="" type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare           |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off          |
| <input type="checkbox"/> Other                   |  |

Approximate Date Work Will Start 2/28/92

## SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other                   |   |

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

• Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached procedure to recomplete the above referenced well to the Lower Green River formation.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 2-6-92

BY: J. Matthews

RECEIVED

FEB 05 1992

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

(State Use Only)

Gileen Caniney  
Bileen Dunnell Day

Title Regulatory Analyst Date 1/30/92

# STIMULATION PROCEDURE

BROTHERSON #1-24B4  
Section 24, T2S, R4W  
Altamont Field  
Duchesne County, Utah

## WELL DATA

Location: 1445' FNL and 1894' FEL  
Elevation: 6165' KB; 6138' GL  
Total Depth: 12,300' PBD: 12,270'  
Casing: 9-5/8", 40#, K-55 set @ 6000'  
7", 26#, S-95 & P-110 set @ 10,703'  
5-1/2", 15.5#, K-55 set 7000'-10,620'  
5", 18#, N-80 set @ 10,620'-12,298'  
Tubing: 2-7/8", 6.5#, N-80 @ 10,349' w/Baker anchor catcher  
Tubular Data:

Description	ID	Drift	Capacity	Burst	Collapse
7", 26#, S-95	6.276"	6.151"	.0382 B/F	8600 psi	7800 psi
7", 26#, P-110	6.276"	6.151"	.0382 B/F	9960 psi	6210 psi
5-1/2", 15.5#, K-55	4.950"	4.825"	.0238 B/F	4810 psi	4040 psi
5", 18#, N-80	4.276"	4.151"	.0177 B/F	10140 psi	10490 psi
2-7/8", 6.5#, N-80	2.441"	2.347"	.0325 B/F	10570 psi	11160 psi

## WELL HISTORY

November 1973: Initial completion, perf 10,711' to 12,228', 1 SPF, 116 total holes. Acidized all perfs w/36,300 gals 15% HCl. Flowed 93 BOPD, 0 BWPD, 153 MCFPD on a 16/64" choke w/a FTP of 1300 psi.

March 1977: Mud acid treatment of perforations from 10,711' to 12,228'. Pumped 500 gals 15% HCl and 3000 gals mud acid. Production prior to treatment: SI unproductive. Production after treatment: Trace of oil.

July 1977: Set 5 1/2" scab liner across parted 7" csg at 7350', 7400' and 10,500' from 7000' to 10,620'. Perf from 10,405' to 11,500', 39 total holes, 1 SPF. Acidize perfs from 10,405' to 11,451' (111 holes) w/30,000 gals 15% HCl and 37,000 gals. Production prior to workover: 0. Production after workover: Flowed on a 14/64" chk w/a FTP of 1300 psi, 256 BOPD, 203 BWPD, and 437 MCFPD.

December 1977: Initiate gas lift

July 1980: CO wellbore to 12,268', perf 10,405' to 12,257', 3 SPF, 501 total perforations. Acidized top 500' of perforated interval w/34,800 gals 7 1/2% HCl and bottom 1350' of perforated interval w/23,000 gals 7 1/2% HCl. Production prior to workover: 9 BOPD, 12 BWPD, and 259 MCFPD. Production after workover: 289 BOPD, 278 BWPD, and 500 MCFPD.

July 1982: Acidize all perms w/40,000 gals 7½% HCl.  
Convert to beam pump.  
Production before workover: 46 BOPD, 145 BWP, 138 MCFPD  
Production after workover: 66 BOPD, 287 BWP, 98 MCFPD

April 1991: CO wellbore to 12,270'. Acidize all perms from 10,620' to 12,298', 656  
holes, w/18,000 gals 15% HCl.  
Production before workover: 19 BOPD, 99 BWP, 89 MCFPD  
Production after workover: 41 BOPD, 208 BWP, 93 MCFPD

#### PRESENT STATUS

Producing as of January 12, 1992: 17 BOPD, 64 BWP and 44 MCFPD w/fluid at the pump with a  
1¼" pump, 8 SPM, 143" stroke.

#### PROCEDURE

1. MIRU service rig. Kill well if necessary. ND wellhead and NU BOPE. Stand back rods and tubing.
2. PU and RIH w/4-1/8" mill and CO tools. CO 5" liner to PBTD at ±12,270'. POOH.
3. RU wireline service company. PU and RIH w/a 5½" RBP. Set RBP @ ±10,390'. Drop 2 sxs of sand on plug. PU and RIH w/4" csg gun, 3 SPF, 120° phasing, and perforate the Lower Green River formation from 9191' to 10,298', 52 settings, 156 total holes per the attached prog.
4. PU and RIH w/2200' 2-7/8" N-80 6.5# 8rd tbg, 6940' 3½" 9.3# N-80 8rd tbg and 5½" HD treating pkr. Set pkr @ ±9140'.
5. Acidize Lower Green River formation perms from 9191' to 10,298', 156 total holes, w/5000 gals 15% HCl w/300 - 1.1 BS's and specified additives. Max treating press 8000 psi.

NOTE: The above acid job should be designed to include:

- A) All fluids to be heated to 150°F.
- B) Precede acid w/100 bbls 3% KCl wtr w/10 gals per 1000 gals scale inhibitor w/50 1.1 BS's evenly spaced.
- C) All water to contain 3% KCl.
- D) Acidize in 1 stage w/250 - 1.1 BS's evenly spaced.  
(Note: Xylene is not required in this stimulation.)

6. Flow/swab back acid load.
7. If the Green River production appears to be substantial release pkr and RIH w/production equipment. Consult w/Denver office for rod design and SN setting depth. The RBP will be pulled when the Green River is pumped down.
8. If the Green River production is not strong, release pkr and POOH. PU & RIH w/retrieving head and CO tools. CO wellbore and release plug at 10,390'. POOH. RIH w/production equipment. Consult w/Denver office for rod design and SN setting depth.

Greater Altamont Field  
ANR - Brotherson #1-24B4  
NE/4 Section 24, T2S-R4W  
Duchesne County, Utah

Lower Green River Perforation Schedule

Depth Reference: Schlumberger BHC Sonic (Run #1, 7/25/73)

10298	10071	9796	9402	<del>9155</del>
10291	10047	9790	9393	<del>9119</del>
10271	10041	9714	9385	<del>9057</del>
10248	10008	9691	9370	<del>9027</del>
10239	9996	9684	9357	<del>9010</del>
10232	9990	9676	9347	<del>8919</del>
10156	9945	9666	9299	<del>8893</del>
10151	9939	9661	9284	<del>8865</del>
10137	9920	9634	9273	<del>8852</del>
10129	9873	9627	9262	<del>8841</del>
10121	9869	9548	9216	<del>8832</del>
10118	9822	9450	9197	<del>8826</del>
10115	9816	9415	9191	<del>8806</del>
				<del>8793</del>

Gross Lower Green River Interval: ~~8793~~' - 10,298', ~~66~~ feet, 43 zones.  
9/9/ 52

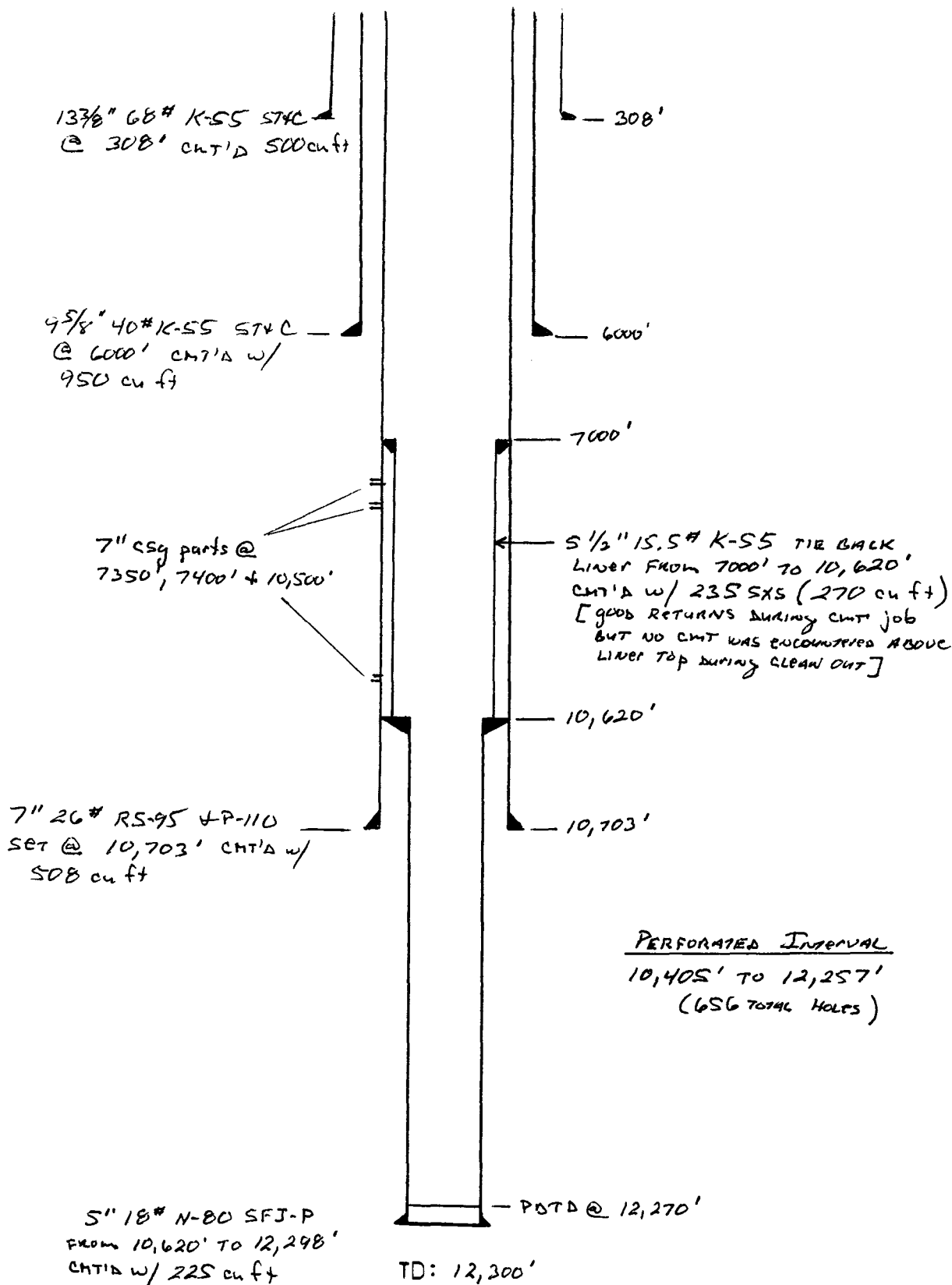
RJL *RJC*  
1/07/92

# PRESENT WELLBORE SCHEMATIC

BROTHERSON #1-24B4

S.C. Prutch

1/17/92





STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS:**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		6. Lease Designation and Serial Number Fee
2. Name of Operator ANR Production Company		7. Indian Allottee or Tribe Name N/A
3. Address of Operator P.O. Box 749 Denver, CO 80201-0749		8. Unit or Communitization Agreement CA #9674
4. Telephone Number (303) 573-4476		9. Well Name and Number Brotherson #1-24B4
5. Location of Well Footage : 1445' FNL and 1894' FEL Q.C. Sec. T. R. M. : SW/NE Section 24, T2S, R4W		10. API Well Number 43-013-30229
		11. Field and Pool, or Wildcat Altamont
		County : Duchesne State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Fracture Treat
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Multiple Completion
<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Other <u>Recompletion to Lower Green River Formation</u>
<input type="checkbox"/> New Construction	<input type="checkbox"/> New Construction
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Water Shut-Off	

Approximate Date Work Will Start \_\_\_\_\_

Date of Work Completion 4/27/92

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for the recompletion to the Lower Green River performed on the above-referenced well.

**RECEIVED**

JUL 06 1992

DIVISION OF  
OIL GAS & MINING

4. I hereby certify that the foregoing is true and correct.

Name & Signature William R. Ramey Title Regulatory Analyst Date 7/1/92

Date Use Only

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #1-24B4 (Green River Recompletion)

Page 2

ALTAMONT/BLUEBELL FIELD

DUCHESNE COUNTY, UTAH

WI: 70.3125% ANR AFE: 63910

TD: 12,300' PBSD: 10,350' (RBP)

5" LINER @ 10,620'-12,298'

PERFS: 9,191'-12,257' (WASATCH)

CWC(M\$): \$86.0

- 4/20/92 Finish POOH w/prod tbgs. MIRU. POOH w/rods. SOH w/tbg.  
DC: \$3,225 TC: \$3,225
- 4/21/92 RIH w/CO tools. Fin POOH w/prod equip. Repair wellhead.  
DC: \$4,146 TC: \$7,371
- 4/22/92 Prep to perf. Tag fill in 5" liner @ 12,254'. CO to 12,270'. POOH.  
DC: \$5,174 TC: \$12,545
- 4/23/92 Prep to RIH w/pkr & 3-1/2" tbgs. Set RBP @ 10,350'. Spot 2 sx of  
sand on top. Perf L. Green River interval from 9,191' to 10,298', 3  
SPF, 52 settings, 156 total holes. IFL @ 6300', FFL @ 5700'.  
DC: \$17,610 TC: \$30,137
- 4/24-25/92 Prep to RIH w/prod equip. Acidized L. Green River perfs from  
9,191'-10,298', 156 holes w/5000 gal 15% HCl w/add & 300 - 1.1 SG  
BS's. MTP 8600 psi, MTR 22 BPM, ATP 8000 psi, ATR 18 BPM. Excellent  
diversion. ISIP 2850 psi, 5 min 2750 psi, 10 min 2480 psi, 15 min  
2210 psi. Flwd 2 hrs - 60 BW. Made 17 swab trips. IFL @ 1000', FFL  
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Rls pkr, POOH & LD 3-1/2" tbgs.  
DC: \$43,035 TC: \$73,172
- 4/27/92 Place well on rod pump prod. RIH w/rod pump BHA. ND BOP's. Set TAC  
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Hang well off. PT tbgs to 500#. RDSU.  
DC: \$6,639 TC: \$79,811
- 4/27/92 Pmpd 40 BO, 232 BW, 11 MCF/12 hrs.
- 4/28/92 Pmpd 79 BO, 138 BW, 16 MCF.  
DC: \$5,819 TC: \$85,630
- 4/29/92 Pmpd 90 BO, 15 BW, 16 MCF.
- 4/30/92 Pmpd 85 BO, 9 BW, 26 MCF.
- Prior prod: 16 BO, 71 BW, 32 MCF. Final report.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT — for such proposals.

8. Lease Designation and Serial Number

Fee

7. Indian Allottee or Tribe Name

N/A

3. Unit or Communitization Agreement

CA #9674

9. Well Name and Number

Brotherson 1-24B4

10. API Well Number

43-013-30229

11. Field and Pool, or Wildcat

Altamont

1. Type of Well

☒ Oil Well☐ Gas Well☐ Other (specify)

2. Name of Operator

ANR Production Company

3. Address of Operator

P.O. Box 749 Denver, CO 80201-0749

4. Telephone Number

(303) 573-4476

5. Location of Well

Footage : 1445' FNL & 1894' FEL  
QQ. Sec. T. R. M. : SW/NE Section 24, T2S, R4W

County : Duchesne

State : UTAH

## CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- ☐ Abandonment  
☐ Casing Repair  
☐ Change of Plans  
☐ Conversion to Injection  
☐ Fracture Treat  
☐ Multiple Completion  
☒ Other Recover Stuck Bridge Plug
- ☐ New Construction  
☐ Pull or Alter Casing  
☐ Recompletion  
☐ Shoot or Acidize  
☐ Vent or Flare  
☐ Water Shut-Off

Approximate Date Work Will Start

### SUBSEQUENT REPORT (Submit Original Form Only)

- ☐ Abandonment  
☐ Casing Repair  
☐ Change of Plans  
☐ Conversion to Injection  
☐ Fracture Treat  
☒ Other
- ☐ New Construction  
☐ Pull or Alter Casing  
☐ Shoot or Acidize  
☐ Vent or Flare  
☐ Water Shut-Off

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
Must be accompanied by a cement verification report.

1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached procedure to recover a stuck retrievable bridge plug in the above-referenced well and to return the well to commingled production.

RECEIVED

APPROVED BY THE STATE  
OCT 29 1992 OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DIVISION OF: 11/2/92  
OIL, GAS & MINING [Signature]

I hereby certify that the foregoing is true and correct

Name &amp; Signature

Date (Use Only)

Title Regulatory Analyst Date 10/27/92

## WORKOVER PROCEDURE

BROTHERSON #1-24B4  
Section 24, T2S, R4W  
Altamont Field  
Duchesne County, Utah

### WELL DATA

Location: 1445' FNL and 1894' FEL  
Elevation: 6165' KB; 6138' GL  
Total Depth: 12,300' PBD: 12,270'  
Casing: 9-5/8", 40#, K-55 set @ 6000'  
7", 26#, S-95 & P-110 set @ 10,703'  
5-1/2", 15.5#, K-55 set 7000'-10,620'  
5", 18#, N-80 set @ 10,620'-12,298'

### Tubular Data:

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u>	<u>Burst</u>	<u>Collapse</u>
7", 26#, S-95	6.276"	6.151"	.0382 B/F	8600 psi	7800 psi
7", 26#, P-110	6.276"	6.151"	.0382 B/F	9960 psi	6210 psi
5-1/2", 15.5#, K-55	4.950"	4.825"	.0238 B/F	4810 psi	4040 psi
5", 18#, N-80	4.276"	4.151"	.0177 B/F	10140 psi	10490 psi
2-7/8", 6.5#, N-80	2.441"	2.347"	.0325 B/F	10570 psi	11160 psi

### WELL HISTORY

November 1973: Initial completion, perf 10,711' to 12,228', 1 SPF, 116 total holes. Acidized all perfs w/36,300 gals 15% HCl. Flowed 93 BOPD, 0 BWP, 153 MCFPD on a 16/64" choke w/a FTP of 1300 psi.

March 1977: Mud acid treatment of perforations from 10,711' to 12,228'. Pumped 500 gals 15% HCl and 3000 gals mud acid. Production prior to treatment: SI unproductive. Production after treatment: Trace of oil.

July 1977: Set 5 1/2" scab liner across parted 7" csg at 7350', 7400' and 10,500' from 7000' to 10,620'. Perf from 10,405' to 11,500', 39 total holes, 1 SPF. Acidize perfs from 10,405' to 11,451' (111 holes) w/30,000 gals 15% HCl and 37,000 gals. Production prior to workover: 0. Production after workover: Flowed on a 14/64" chk w/a FTP of 1300 psi, 256 BOPD, 203 BWP, and 437 MCFPD.

December 1977: Initiate gas lift

July 1980: CO wellbore to 12,268', perf 10,405' to 12,257', 3 SPF, 501 total perforations. Acidized top 500' of perforated interval w/34,800 gals 7 1/2% HCl and bottom 1350' of perforated interval w/23,000 gals 7 1/2% HCl. Production prior to workover: 9 BOPD, 12 BWP, and 259 MCFPD. Production after workover: 289 BOPD, 278 BWP, and 500 MCFPD.

Stimulation Procedure  
Brotherson #1-24B4  
Page Two

July 1982: Acidize all perms w/40,000 gals 7½% HCl.  
Convert to beam pump.  
Production before workover: 46 BOPD, 145 BWP, 138 MCFPD  
Production after workover: 66 BOPD, 287 BWP, 98 MCFPD

April 1991: CO wellbore to 12,270'. Acidize all perms from 10,620' to 12,298', 656 holes, w/18,000 gals 15% HCl.  
Production before workover: 19 BOPD, 99 BWP, 89 MCFPD  
Production after workover: 41 BOPD, 208 BWP, 93 MCFPD

April 1992: Set RBP @ 10,390'. Perf Lower Green River formation from 9191' to 10,298', 3 SPF, 156 total holes. Acidize perms from 9191' to 10,298' w/5000 gals 15% HCl w/300 BS's.  
Production before workover: 15 BOPD, 65 BWP, 49 MCFPD  
Production after workover: 85 BOPD, 9 BWP, 26 MCFPD

Present Status: Shut in. Last production September 6, 1992. Prior 7 day production average 8 BOPD, 6 BWP, 1 MCFPD.

PROCEDURE

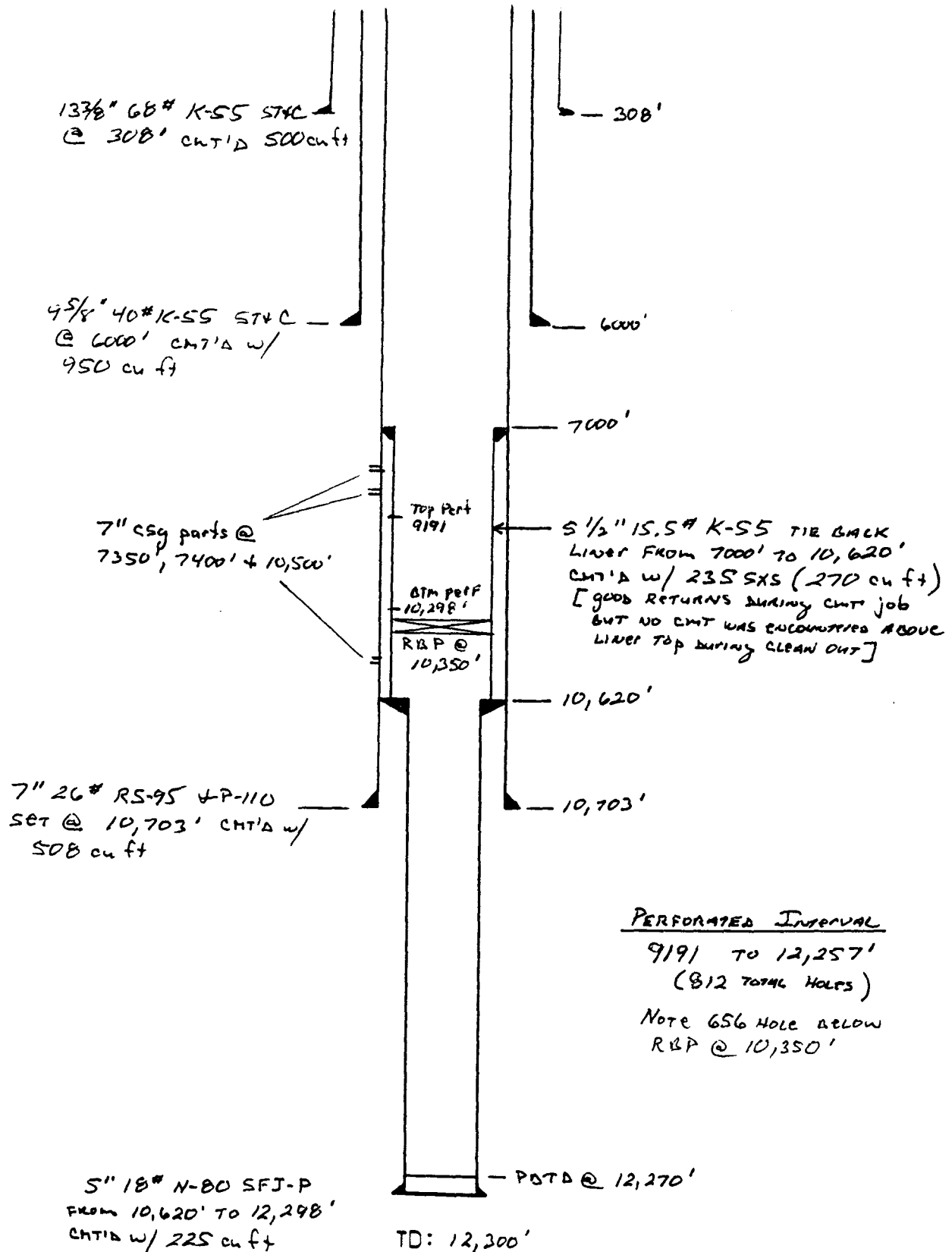
1. MIRU service rig. Kill well if necessary. POOH w/rods. ND wellhead and NU BOPE. Stand back tubing.
2. PU and RIH w/shoe joint, wash pipe, 2 junk baskets, bumper sub, 4 drill collars and jars to top of fish @ ± 10,267'. Establish circulation. Wash over fish to retrieving head at ± 10,341'. POOH.
3. TIH w/grapple, overshot and jars. Jar RBP free. POOH.
4. PU & RIH w/4-1/8" mill and CO tools. CO 5" liner to at least PBTD at ± 12,270'. Attempt to go deeper to get as much rat hole as possible. Stop @ ± 12,290' (btm of liner @ 12,298').
5. PU 5" TAC, 2-3/8" solid plug, 1 perforated jt of 2-3/8" N-80 tbg ± 744' 2-3/8" N-80 tbg, SN (@ ± 11,500'), ± 890' 2-3/8" N-80 tbg, 2-3/8" x 2-7/8" XO, ± 10,610' 2-7/8" N-80 tbg. Set TAC @ ± 12,280' (pending results of cleanout). NOTE: All makeup tbg should be "blueband".
6. PU & RIH w/1½" insert pump, 5325' - 3/4", 3100' - 7/8", 3075' - 1" rods. Increase pump speed to ± 9.0 SPM. (Do not exceed 9.5 SPM.) The torque mode on the motor should be initially set in "medium low". If motor overheats in this torque, set motor in "medium torque" mode. Return on line. NOTE: Makeup 3/4" rods should be National EL's used and inspected.

# PRESENT WELLBORE SCHEMATIC

BROTHERSON #1-2424

S.C. Frutch

10/14/92



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

ANR Production Company

3. Address and Telephone Number:

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well

Footages: 1445' FNL & 1894' FEL

QQ, Sec., T., R., M.: SW/NE Section 24, T2S-R4W

5. Lease Designation and Serial Number:

Fee

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

CA #9674

8. Well Name and Number:

Brotherson #1-24B4

9. API Well Number:

43-013-30229

10. Field and Pool, or Wildcat:

Altamont

County: Duchesne

State: Utah

11.

## CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT

(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT

(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *                                     | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                                     | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                                   | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                           | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat                                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Recover Stuck Bridge Plug</u> |   |

Date of work completion 2/19/93

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for the work performed on the above referenced well.

RECEIVED

APR 2 1993

DIVISION OF

OIL, GAS AND MINING

13.

Name & Signature:

*Eileen Danni Dey*  
Eileen Danni Dey

Title: Regulatory Analyst

Date: 3/25/93

(This space for State use only)

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #1-24B4 (FISH RBP, CO, INSTALL GAS ANCHOR)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH  
WI: 70.3125% ANR      AFE: 64358

PAGE 4

2/17/93      Cont PU & RIH w/rods. PU 5' MSOT TAC, 2-3/8" solid plug, 1 - 2-3/8" perf jt, 24 - 2-3/8" tbg, PSN and 28 jts 2-3/8" tbg. RIH w/286 jts 2-7/8". PU 50 jts 2-7/8" & 1 - 10' x 2-7/8" sub & 1-jt 2-7/8" tbg (52 jts 2-3/8" & 337 jts 2-7/8" in hole). Set 5" TAC @ 12,259' in 18,000# tension, PSN @ 11,470'. Land tbg hanger, ND BOP, NU prod "T". PU 2" x 1-1/2" x 26' RWBC pump, 51 - 3/4" rods. Clean & dress 31 - 3/4" rods. SDFN @ 6:30 p.m.  
DC: \$13,644      TC: \$54,599

2/18/93      Cont in hole w/rod pump. Cont in hole w/rods. RIH w/213 - 3/4", 124 - 7/8", 118 - 1" rods. Seat pump, PT tbg to 500#, held. Attempt to space out. Pump locked up. POOH w/rods. LD pump. Pull rod stuck in pump. (Nat. reported iron sulfide in bbl.) Flush tbg w/110 BW. RIH w/213 - 3/4" & 124 - 7/8". SDFN @ 6:00 p.m.  
DC: \$7,745      TC: \$62,344

2/19/93      Well producing. Cont in holes w/rod pump. RIH w/118 - 1" rods. Seat pump & PT to 500#, stroke pump w/rig. Good pump action. Turn over to prod @ 10:30 a.m. RD rig.  
DC: \$5,024      TC: \$67,368

2/19/93      Pmpd 6 BO, 109 BW, 1 MCF, 8 SPM/16 hrs.

2/20/93      Pmpd 18 BO, 173 BW, 13 MCF, 8 SPM.

2/21/93      Pmpd 17 BO, 217 BW, 53 MCF, 8 SPM.

2/22/93      Pmpd 34 BO, 142 BW, 25 MCF, 8 SPM.

2/23/93      Pmpd 46 BO, 100 BW, 42 MCF, 8 SPM.

2/24/93      Pmpd 27 BO, 39 BW, 50 MCF, 8 SPM.

2/25/93      Pmpd 20 BO, 126 BW, 40 MCF/15 hrs. Down 9 hrs - heater treater.

2/26/93      Pmpd 58 BO, 130 BW, 104 MCF, 8.0 SPM.

2/27/93      Pmpd 92 BO, 145 BW, 155 MCF, 8.0 SPM.

2/28/93      Pmpd 66 BO, 121 BW, 111 MCF, 8.0 SPM.

Prior prod: 8 BO, 6 BW, 1 MCF. Final report.



THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #1-24B4 (FISH RBP, CO, INSTALL GAS ANCHOR)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH  
WI: 70.3125% ANR AFE: 64358  
TD: 12,300' PBD: 12,273'  
5-1/2"/5" LINER @ 7,000'-12,298'  
PERFS: 9,191'-12,257' (GREEN RIVER/WASATCH)  
CWC(M\$): 69.9

PAGE 3

- 2/8/93 POOH w/2-7/8" tbg. Spot & RU rig. Work rods & unseat pump. PU polish rod & work rods while trying to flush. Pumped 25 BW (csg unplugged). LD. POOH w/98 - 1", 111 - 7/8", 101 - 3/4" & 16 - 1" total. LD pump, ND prod "T", NU spool & BOP. Work tbg to rls 5-1/2" TAC from 9151'. SDFN.  
DC: \$3,971 TC: \$3,971
- 2/9/93 Prep to wash over fish @ 10,267'. POOH w/287 jts 2-7/8" tbg. LD prod BHA. (Note: 3-1/2" PBGA sealed up.) PU 4-5/8" shoe and 3-jts 4-1/2" washpipe, BS, jars, 4 - 3-1/2" DC's, accel and 2 - 3-1/2" DC's. Measure in hole w/316 jts 2-7/8" tbg. SDFN.  
DC: \$5,488 TC: \$9,459
- 2/10/93 Jar on fish. Pump 10 bbls to get circ. FL @ 360'. PU 4-jts 2-7/8" tbg on swivel. Wash over fish top @ 10,267' to 10,343' (retrieving head). Circ well clean (scale in returns). POOH w/320 jts 2-7/8" tbg. Stand back 6 - 3-1/2" DC's. LD BS, jars, 3 - 4-1/2" washpipe & 4-5/8" shoe. PU 4-11/16" OS dressed w/2-7/8" grapple, jars & BS. RIH w/6 - 3-1/2" DC's & 321 jts 2-7/8" tbg. Latch onto fish @ 10,267'. Work & jar on fish. SDFN.  
DC: \$8,821 TC: \$18,280
- 2/11/93 Swab 2-7/8" tbg. Tbg still stuck, work, jar fish. LD 1-jt 2-7/8" tbg. RU swab. Made 7 runs. Pulled back 60 BW. IFL @ sfc, FFL @ 2000'. Unable to swab due to heavy paraffin. RD swab. PU 1-joint 2-7/8" tbg. Work & jar on fish. Pump 15 gal diesel down tbg. Attempt to rls OS off fish. Would not rls w/tongs. LD 1-jt 2-7/8" tbg. RU swab. Still unable to swab due to paraffin. RD swab. PU 1-jt 2-7/8" tbg. Jar on fish. LD 1-jt 2-7/8" tbg. SDFN @ 5:00 p.m.  
DC: \$5,478 TC: \$23,758
- 2/12/93 Cont POOH w/2-7/8" tbg & fish. RU swab. Swabbed 250 BW out, FFL @ 7400'. RD swab. Work & jar fish free. POOH w/58 jts 2-7/8" tbg. SDFN.  
DC: \$5,895 TC: \$29,653
- 2/13/93 PU 4-1/8" CO tools. Cont POOH w/262 jts 2-7/8" tbg. Rec all of fish: 1 - 9' 2-7/8", 1-jt 2-7/8", 1-check sub, 1-jt 2-7/8", 1-check sub, retr head w/RBP. SDFN @ 11:00 a.m.  
DC: \$1,986 TC: \$31,639
- 2/15/93 RIH & CO 5" liner. PU 4-1/8" mill & CO tools & 54 jts 2-3/8". RIH w/276 jts 2-7/8" tbg. Tag tight spot @ 10,350'. PU swivel & ream out scale from 10,350'-10,353' (Note: 1st foot very hard.) SDFN w/ 774 jts 2-7/8", mill @ 10,339'.  
DC: \$4,868 TC: \$36,507
- 2/16/93 RIH w/prod tbg. Cont in hole w/4-1/8" mill thru 5" LT @ 10,260'. Tag fill @ 12,258'. CO to 12,273' (FC @ 12,273'). POOH w/2-7/8" tbg. LD 54 jts 2-3/8" tbg & CO tools & 4-1/8" mill. (Note: Btm of mill worn, btm 1-jt plugged w/cmt, sand, rubber & metal. SDFN.  
DC: \$4,448 TC: \$40,955

STATE OF UTAH  
DIVISION OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Coastal Oil &amp; Gas Corporation

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: See Attached

QQ, Sec., T., R., M.: See Attached

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

See Attached

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County: See Attached

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## NOTICE OF INTENT

(Submit In Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

## SUBSEQUENT REPORT

(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon *                                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Date of work completion \_\_\_\_\_

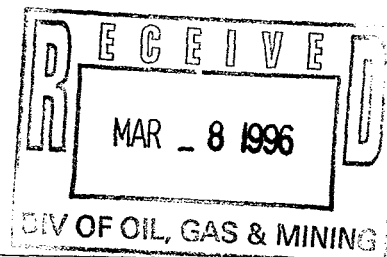
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective December 27, 1995, ANR Production Company relinquished and Coastal Oil & Gas Corporation assumed operations for the subject wells (see attached). Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation under the following bonds: State of Utah #102103, BLM Nationwide Bond #U605382-9, and BIA Nationwide Bond #11-40-66A. Coastal Oil & Gas Corporation, as operator, agrees to be responsible under the terms and conditions of the leases for the operations conducted upon leased lands.

*Bonnie Carson*  
Bonnie Carson, Sr. Environmental & Safety Analyst  
ANR Production Company



13.

Name &amp; Signature:

*Sheila Bremer*

Sheila Bremer

Environmental &amp; Safety Analyst

Title: Coastal Oil &amp; Gas Corporation

Date: 03/07/96

(This space for State use only)

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
UT-922

April 11, 1996

### Memorandum

TO: Superintendent, Uintah and Ouray Agency, Ft. Duchesne, Utah

FROM: Chief, Branch of Fluid Minerals, BLM, Utah State Office, Salt Lake City, Utah

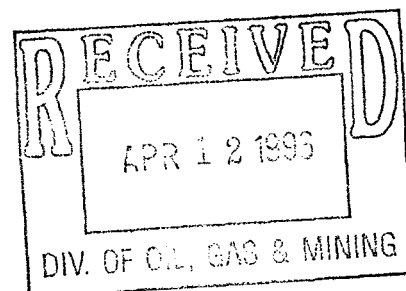
SUBJECT: Successor of Operator, Communitization Agreement's (CA) 96-000018, 96-000023, 96-000035, 96-000039, 96-000040, 96-000042, 96-000043, 96-000045, 96-000046, 96-000049, 96-000054, 96-000055, 96-000056, 96-000059, 96-000060, 96-000061, 96-000070, 96-000071, 96-000072, 96-000074, 96-000078, 96-000079, 96-000081, 96-000085, 96-000104, 9C-000126, 9C-000133, 9C-000138, 9C-000140, UT080149-87C696, UT70814, UTU73743 and UTU73964, Duchesne and Uintah Counties, Utah

The enclosed Designation of Successor of Operators for CA's 96-000018, 96-000023, 96-000035, 96-000039, 96-000040, 96-000042, 96-000043, 96-000045, 96-000046, 96-000049, 96-000054, 96-000055, 96-000056, 96-000059, 96-000060, 96-000061, 96-000070, 96-000071, 96-000072, 96-000074, 96-000078, 96-000079, 96-000081, 96-000085, 96-000104, 9C-000126, 9C-000133, 9C-000138, 9C-000140, UT080149-87C696, UT70814, UTU73743 and UTU73964, Duchesne and Uintah Counties, Utah, have been reviewed by this office and found to be acceptable and we recommend approval. The new operator will be Coastal Oil & Gas Corporation. Upon approval of these Successor of Operators, please return one copy to this office.

If you have any questions, please contact Teresa Thompson at (801) 539-4047.

### Enclosures

bcc: ~~96-000139~~  
CA's (33)  
DM - Vernal  
Division Oil, Gas & Mining  
Agr. Sec. Chron.  
Fluid Chron



## memorandum

DATE: August 16, 1996

REPLY TO  
ATTN OF: Superintendent, Uintah and Ouray Agency

SUBJECT: Designation of Successor Operator

TO: Bureau of Land Management, Vernal District Office

We are in receipt of the Designations of Successor Operator for our approval whereby Coastal Oil & Gas Corporation was designated as the new Operator for the Communization Agreements (CA) listed on the attached sheet, Exhibit "A".

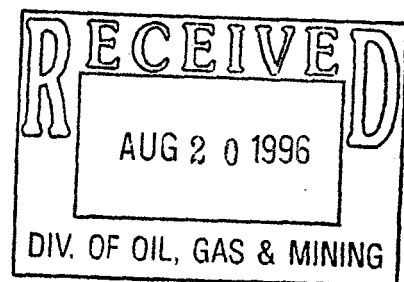
The enclosed instruments were approved on the date of this letter. Coastal's Nationwide Bond will be used to cover all operations, and plugging and abandonment of wells.

If you have any questions, please contact this office at (801) 722-2406, Ext. 51/52/54.

*Charles H. Cameron*

## Enclosures

cc: ~~Lisha Cordova, Utah State DOGM~~  
Theresa Thompson, BLM/SLC



## DESIGNATION OF SUCCESSOR OPERATOR

Communitization Agreement Numbers are listed on attached Exhibit "A"

Designation of successor Operator for communitized area, Counties of Uintah and Duchesne, State of Utah, being:

(See attached Exhibit "A" for description of Communitization Agreements)

THIS INDENTURE, dated as of the 9th day of April, 1996, by and between Coastal Oil & Gas Corporation, hereinafter designated as "First Party", and the owners of communitized working interests, hereinafter designated as "Second Parties",

WHEREAS, under the provisions of the Act of February 25, 1920, 41 Stat. 437, 30 U.S.C. Secs. 181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, a Communitization Agreement for the above Communitized Area, effective (see attached Exhibit "A") wherein ANR Production Company is designated as Operator of the communitized area; and

WHEREAS said, ANR Production Company has resigned as Operator, and the designation of successor operator is now required pursuant to the terms thereon; and

WHEREAS the First Party has been and hereby is designated by Second Parties as Operator of the communitized area, and said First Party desires to assume all the rights, duties and obligations of Operator under the said Communitization Agreement.

NOW, THEREFORE, in consideration of the premises hereinbefore set forth and the promises hereinafter stated, the First Party hereby covenants and agrees to fulfill the duties and assume the obligations of Operator of the communitized area under and pursuant to all the terms of said Communitization Agreement, and the Second Parties covenants and agree that, effective upon approval of this indenture by the Chief, Branch of Fluid Minerals, Bureau of Land Management, First Party shall be granted the exclusive right and privilege of exercising any and all rights and privileges as Operator, pursuant to the terms and conditions of said Communitization Agreement; and said Agreement being hereby incorporated herein by referenced and made a part hereof as fully and effectively as though said Agreement were expressly set forth in this instrument.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

FIRST PARTY  
COASTAL OIL & GAS CORPORATION

By: C. E. Lindberg  
C. E. Lindberg  
Vice President

STATE OF COLORADO )  
 )  
COUNTY OF Denver )

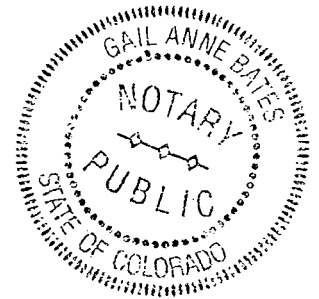
The foregoing instrument was acknowledged before me on the 9th day of April, 1996 by C. E. Lindberg, known to me to be the vice President of Coastal Oil & Gas Corporation, a Delaware corporation, on behalf of said corporation.

Given under my hand and official seal of office on this 9th day of April, 1996.

Gail Anne Bates  
Notary Public in and for the State of Colorado

My Commission Expires:

MY COMMISSION EXPIRES: May 14, 1997  
1314 W. Shepperd Ave., #203B  
Littleton, Colorado 80120



The Designation of Successor Operator is hereby approved this 16th day of August, 1996, for the Communitization Agreements listed on the attached sheet as Exhibit "A".

Charles H. Cameron  
Acting Superintendent  
BIA - Uintah & Ouray Agency

**Communitization Agreement**

<b>Well Name</b>	<b>Well Location</b>	<b>County</b>	<b>State</b>	<b>Number</b>	<b>Description</b>	<b>Acres</b>	<b>Effective Date</b>
Evans Ute 2-17B3	NWSW, 17-2S-3W	Duchesne	Utah	96104	All Sec. 17-T2S-R3W	640.00	10/01/73
Miles 1-35A4	SWNE, 35-1S-4W	Duchesne	Utah	9618	All Sec. 35-T1S-R4W	640.00	07/01/70
Miles 2-35A4	NWSW, 35-1S-4W	Duchesne	Utah	9618	All Sec. 35-T1S-R4W	640.00	07/01/70
Brotherson 2-11B4	SESW, 11-2S-4W	Duchesne	Utah	9623	All Sec. 11-T2S-R4W	640.00	09/01/70
Brotherson 2-2B4	NESW, 2-2S-4W	Duchesne	Utah	9635	All Sec. 2-T2S-R4W	684.24	03/29/71
Brotherson 1-2B4	SWNE, 2-2S-4W	Duchesne	Utah	9635	All Sec. 2-T2S-R4W	684.24	03/29/71
Broadhead 1-21B6	NWNE, 21-2S-6W	Duchesne	Utah	9639	All Sec. 21-T2S-R6W	640.00	10/21/71
Ute Tribal 2-21B6	SESE, 21-2S-6W	Duchesne	Utah	9639	Sec. 21-T2S-R6W	640.00	10/21/71
Ute 1-34A4	SWNE, 34-1S-4W	Duchesne	Utah	9640	All Sec. 34-T1S-R4W	640.00	09/03/71
Ute Brotherson 2-34A4	NWSW, 34-1S-4W	Duchesne	Utah	9640	All Sec. 34-T1S-R4W	640.00	09/03/71
Rust 2-36A4	NESW, 36-1S-4W	Duchesne	Utah	9642	All Sec. 36-T1S-R4W	640.00	12/08/71
Ute 1-36A4	NENE, 36-1S-4W	Duchesne	Utah	9642	All Sec. 36-T1S-R4W	640.00	12/08/72
Babcock 1-12B4	SENE, 12-2S-4W	Duchesne	Utah	9643	All Sec. 12-T2S-R4W	640.00	02/22/72
Babcock 2-12B4	SWSW, 12-2S-4W	Duchesne	Utah	9643	All Sec. 12-T2S-R4W	640.00	02/22/72
Ellsworth 2-9B4	NESW, 9-2S-4W	Duchesne	Utah	9645	All Sec. 9-T2S-R4W	640.00	03/27/72
Ellsworth 1-9B4	SENE, 9-2S-4W	Duchesne	Utah	9645	All Sec. 9-T2S-R4W	640.00	03/27/72
Burton 2-15B5	NWSW, 15-2S-5W	Duchesne	Utah	9646	All Sec. 15-T2S-R5W	640.00	05/30/72
Ute 1-1B4	SENE, 1-2S-4W	Duchesne	Utah	9649	All Sec. 1-T2S-R4W	688.00	05/15/72
Ute Jenks 2-1B4	NENW, 1-2S-4W	Duchesne	Utah	9649	All Sec. 1-T2S-R4W	688.00	05/15/72
Tew 2-10B5	SWSW, 10-2S-5W	Duchesne	Utah	9654	All Sec. 10-T2S-R5W	640.00	09/26/72
Goodrich 1-2B3	NWSE, 2-2S-3W	Duchesne	Utah	9655	All Sec. 2-T2S-R3W	645.84	09/15/72
Goodrich 2-2B3	NENW, 2-2S-3W	Duchesne	Utah	9655	All Sec. 2-T2S-R3W	645.84	09/15/72
Robb 2-29B5	SESW, 29-2S-5W	Duchesne	Utah	9656	All Sec. 29-T2S-R5W	640.00	10/01/72
Ellsworth 1-16B4	NENE, 16-2S-4W	Duchesne	Utah	9659	All Sec. 16-T2S-R4W	640.00	10/04/72
Ellsworth 2-16B4	NWSW, 16-2S-4W	Duchesne	Utah	9659	All Sec. 16-T2S-R4W	640.00	10/04/72
Lake Fork 2-13B4	SWSW, 13-2S-4W	Duchesne	Utah	9660	All Sec. 13-T2S-R4W	640.00	10/26/72
Jessen 2-21A4	SESW, 21-1S-4W	Duchesne	Utah	9661	All Sec. 21-T1S-R4W	640.00	09/01/72
Jenkins 2-1B3	SWSW, 1-2S-3W	Duchesne	Utah	9670	All Sec. 1-T2S-R3W	644.92	11/30/72
Jenkins 1-1B3	SENW, 1-2S-3W	Duchesne	Utah	9670	All Sec. 1-T2S-R3W	644.92	11/30/72
Birch 3-27B5	SWSW, 27-2S-5W	Duchesne	Utah	9671	All Sec. 27-T2S-R5W	640.00	01/30/73
Lazy K 2-11B3	NWNE, 11-2S-3W	Duchesne	Utah	9672	All Sec. 11-T2S-R3W	640.00	01/30/73
Rudy 1-11B3	NWSE, 11-2S-3W	Duchesne	Utah	9672	All Sec. 11-T2S-R3W	640.00	01/30/73
Brotherson 1-24B4	SWNE, 24-2S-4W	Duchesne	Utah	9674	All Sec. 24-T2S-R4W	640.00	03/13/73
Evans 2-19B3	NESW, 19-2S-3W	Duchesne	Utah	9678	All Sec. 19-T2S-R3W	632.66	01/22/73
Evans 1-19B3	NENE, 19-2S-3W	Duchesne	Utah	9678	All Sec. 19-T2S-R3W	632.66	01/22/73
Ute 3-12B3	SWNW, 12-2S-3W	Duchesne	Utah	9679	All Sec. 12-T2S-R3W	640.00	04/16/73

Communitization Agreement

<i>Well Name</i>	<i>Well Location</i>	<i>County</i>	<i>State</i>	<i>Number</i>	<i>Description</i>	<i>Acres</i>	<i>Effective Date</i>
Jenkins 2-12B3	SENE, 12-2S-3W	Duchesne	Utah	9679	All Sec. 12-T2S-R3W	640.00	04/16/73
Bleazard 2-28B4	NESW, 28-2S-4W	Duchesne	Utah	9681	All Sec. 28-T2S-R4W	640.00	03/15/73
Ute 1-28B4	SWNE, 28-2S-4W	Duchesne	Utah	9681	All Sec. 28-T2S-R4W	640.00	03/15/73
Murdock 2-34B5	NESW, 34-2S-5W	Duchesne	Utah	9685	All Sec. 34-T2S-R5W	640.00	02/12/73
Ute Tribal 10-13A4	NWNE, 13-1S-4W	Duchesne	Utah	9C-126	All Sec. 13-T1S-R4W	640.00	03/10/74
C.R. Aimes 1-23A4	SENE, 23-1S-4W	Duchesne	Utah	9C133	All Sec. 23-T1S-R4W	640.00	03/01/74
Ute 1-8A1E	SWNE, 8-1S-1E	Uintah	Utah	9C138	All Sec. 8-T1S-R1E	640.00	10/21/74
Ute 2-33Z2	SWSW, 33-1N-2W	Duchesne	Utah	9C140	All Sec. 33-T1N-R2W	640.00	08/01/75
Ute Tribal 1-33Z2	SWNE, 33-1N-2W	Duchesne	Utah	9C140	All Sec. 33-T1N-R2W	640.00	08/01/75
Ute Smith 1-30B5	NESE, 30-2S-5W	Duchesne	Utah	UT080I4987C696	All Sec. 30-T2S-R5W	609.24	06/18/81
Myrin Ranch 2-18B3	NWSW, 18-2S-3W	Duchesne	Utah	UTU70814	All Sec. 18-T2S-R3W	629.70	11/05/92
Ute Tribal 2-22B6	SESE, 22-2S-6W	Duchesne	Utah	UTU73743	Sec. 22-T2S-R6W	640.00	09/06/94
Ute 1-15B6	NWSW, 15-2S-6W	Duchesne	Utah	UTU73964	All Sec. 15-T2S-T6W	640.00	04/11/95



Well Name & No.	API No.	Lease Designation & Serial Number	If Indian, Allottee or Tribe Name	CA No.	LOCATION OF WELL		Field	County
					Footages	Section, Township & Range		
Evans Ute 2-17B3	43-013-31056	Fee 5336	Ute	96104	1701' FSL & 1474' FWL	NWSW, 17-2S-3W	Altamont	Duchesne
Miles 1-35A4	43-013-30029	Fee 1965	N/A	9618	1980' FNL & 1980' FEL	SWNE, 35-1S-4W	Altamont	Duchesne
Miles 2-35A4	43-013-31087	Fee 1966	N/A	9618	802' FWL & 1530' FSL	NWSW, 35-1S-4W	Altamont	Duchesne
Brotherson 2-11B4	43-013-31078	Fee 541	N/A	9623	944' FSL & 1643' FWL	SESW, 11-2S-4W	Altamont	Duchesne
Brotherson 1-2B4	43-013-30062	Fee 1570	N/A	9635	1478' FNL & 1459' FEL	SWNE, 2-2S-4W	Altamont	Duchesne
Brotherson 2-2B4	43-013-30855	Fee 8420	N/A	9635	1371' FSL & 1498' FWL	NESW, 2-2S-4W	Altamont	Duchesne
Broadhead 1-21B6	43-013-30100	Patented 1595	N/A	9639	540' FNL & 2610' FEL	NWNE, 21-2S-6W	Altamont	Duchesne
Ute Brotherson 2-34A4	43-013-30978	Fee 16070	N/A	9640	663' FWL & 1626' FSL	NWSW, 34-1S-4W	Altamont	Duchesne
Rust 2-36A4	43-013-31092	Fee 1577	N/A	9642	1516' FWL & 1955' FSL	NESW, 36-1S-4W	Altamont	Duchesne
Babcock 1-12B4	43-013-30104	Patented 1630	Ute	9643	2248' FNL & 1000' FEL	SENE, 12-2S-4W	Altamont	Duchesne
Babcock 2-12B4	43-013-31005	Fee 10215	N/A	9643	502' FWL & 503' FSL	SWSW, 12-2S-4W	Altamont	Duchesne
Ellsworth 1-9B4	43-013-30118	Patented 1660	N/A	9645	1444' FNL & 700' FEL	SENE, 9-2S-4W	Altamont	Duchesne
Ellsworth 2-9B4	43-013-31138	Fee 10400	N/A	9645	2976' FNL & 2543' FWL	NESW, 9-2S-4W	Altamont	Duchesne
Burton 2-15B5	43-013-31044	Fee 10210	N/A	9646	718' FWL & 1604' FSL	NWSW, 15-2S-5W	Altamont	Duchesne
Tew 2-10B5	43-013-31125	Fee 1756	N/A	9654	851' FNL & 729' FSL	SWSW, 10-2S-5W	Altamont	Duchesne
Goodrich 1-2B3	43-013-30182	Patented 1765	N/A	9655	2347' FSL & 1514' FEL	NWSE, 2-2S-3W	Bluebell	Duchesne
Goodrich 2-2B3	43-013-31246	Fee 11037	N/A	9655	678' FNL & 2235' FWL	NENW, 2-2S-3W	Bluebell	Duchesne
Robb 2-29B5	43-013-31130	Fee 10454	N/A	9656	2214' FWL & 1037' FSL	SESW, 29-2S-5W	Altamont	Duchesne
Ellsworth 1-16B4	43-013-30192	Patented 1735	Ute	9659	1301' FNL & 1101' FEL	NENE, 16-2S-4W	Altamont	Duchesne
Ellsworth 2-16B4	43-013-31046	Fee 10217	N/A	9659	1075' FWL & 1439' FSL	NWSW, 16-2S-4W	Altamont	Duchesne
Lake Fork 2-13B4	43-013-31134	Fee 10452	N/A	9660	963' FWL & 819' FSL	SWSW, 13-2S-4W	Altamont	Duchesne
Jessen 2-21A4	43-013-31256	Fee 11061	N/A	9661	702' FSL & 2182' FWL	SESW, 21-1S-4W	Altamont	Duchesne
Jenkins 1-1B3	43-013-30175	Patented 1790	N/A	9670	1807' FNL & 1888' FWL	SENE, 1-2S-3W	Bluebell	Duchesne
Jenkins 2-1B3	43-013-31117	Fee 1792	N/A	9670	803' FWL & 662' FSL	SWSW, 1-2S-3W	Bluebell	Duchesne
Birch 3-27B5	43-013-31126	Fee 1783	N/A	9671	979' FWL & 1151' FSL	SWSW, 27-2S-5W	Altamont	Duchesne
Lazy K 2-11B3	43-013-31352	Fee 11362	N/A	9672	503' FNL & 2017' FEL	NWNE, 11-2S-3W	Bluebell	Duchesne
Rudy 1-11B3	43-013-30204	Patented 1820	N/A	9672	2111' FSL & 2483' FEL	NWSE, 11-2S-3W	Bluebell	Duchesne
Brotherson 1-24B4	43-013-30229	Fee 1865	N/A	9674	1445' FNL & 1894' FEL	SWNE, 24-2S-4W	Altamont	Duchesne
Brotherson 3-23B4	43-013-31289	Fee 11141	N/A	<del>9674</del>	1177' FSL & 1112' FWL	SWSW, 23-2S-4W	Altamont	Duchesne
Evans 1-19B3	43-013-30265	Fee 1776	N/A	9678	1256' FNL & 893' FEL	NENE, 19-2S-3W	Altamont	Duchesne
Jenkins 2-12B3	43-013-31121	Fee 10459	N/A	9679	1623' FNL & 1047' FEL	SENE, 12-2S-3W	Bluebell	Duchesne
Bleazard 2-28B4	43-013-31304	Fee 11433	N/A	9681	1580' FSL & 2335' FWL	NESW, 28-2S-4W	Altamont	Duchesne
Lamicq 2-5B2	43-013-30784	Fee 2302	N/A	9683	1963' FWL & 803' FSL	SESW, 5-2S-2W	Bluebell	Duchesne
C.R. Aimes 1-23A4	43-013-30375	Fee 5675	Ute	9C133	704' FEL & 1515' FNL	SENE, 23-1S-4W	Altamont	Duchesne
Chandler 1-5B4	43-013-30140	Patented 1685	Ute	NW580	2120' FNL & 1553' FEL	SWNE, 5-2S-4W	Altamont	Duchesne
Chandler 2-5B4	43-013-31000	Fee 10075	Ute	NW580	466' FSL & 1180' FWL	SWSW, 5-2S-4W	Altamont	Duchesne
Monsen 2-27A3	43-013-31104	Fee 1746	N/A	NW581	1801' FWL & 2008' FSL	NESW, 27-1S-3W	Altamont	Duchesne
Monsen 3-27A3	43-013-31401	Fee 11686	N/A	NW581	850' FNL & 1520' FWL	NENW, 27-1S-3W	Altamont	Duchesne
Ute Smith 1-30B5	43-013-30521	Fee 1950	Ute	UT08014987C696	1890' FSL & 624' FEL	NESE, 30-2S-5W	Altamont	Duchesne
Bleazard 1-18B4	43-013-30059	Patented 1565	N/A	N/A	1923' FNL & 2314' FEL	SWNE, 18-2S-4W	Altamont	Duchesne
Bleazard 2-18B4	43-013-31025	Fee 1566	N/A	N/A	857' FWL & 861' FSL	SWSW, 18-2S-4W	Altamont	Duchesne
Bodero 1-15B3	43-013-30565	Fee 2360	N/A	N/A	1370' FNL & 1679' FWL	SENE, 15-2S-3W	Altamont	Duchesne
Broadhead 2-32B5	43-013-31036	Fee 10216	N/A	N/A	1686' FWL & 1116' FSL	SESW, 32-2S-5W	Altamont	Duchesne
Brotherson 1-10B4	43-013-30110	Patented 1614	N/A	N/A	2037' FNL & 2052' FEL	SWNE, 10-2S-4W	Altamont	Duchesne
Brotherson 1-14B4	43-013-30051	Patented 1535	N/A	N/A	2100' FNL & 750' FEL	SENE, 14-2S-4W	Altamont	Duchesne
Brotherson 1-22B4	43-013-30227	Fee 1780	N/A	N/A	1642' FNL & 1297' FEL	SENE, 22-2S-4W	Altamont	Duchesne
Brotherson 1-23B4R	43-013-30483	Patented 8423	N/A	N/A	747' FNL & 2380' FEL	NWNE, 23-2S-4W	Altamont	Duchesne
Brotherson 1-26B4	43-013-30336	Patented 1856	N/A	N/A	1272' FNL & 1408' FEL	NWNE, 26-2S-4W	Altamont	Duchesne
Brotherson 1-28A4	43-013-30292	Patented 1841	N/A	N/A	751' FNL & 1130' FEL	NENE, 28-1S-4W	Altamont	Duchesne

Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

Routing: *64*

1	<i>LEC-7-51</i>
2	<i>DTS 8-FILE</i>
3	<i>WLD</i>
4	<i>RPT</i>
5	<i>EC</i>
6	<i>FILM</i>

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-27-95)

TO (new operator) COASTAL OIL & GAS CORP  
(address) PO BOX 749  
DENVER CO 80201-0749  
phone (303) 572-1121  
account no. N 0230 (B)

FROM (former operator) ANR PRODUCTION CO INC  
(address) PO BOX 749  
DENVER CO 80201-0749  
phone (303) 572-1121  
account no. N0675

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-30229</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 3-8-96)*
- Lee* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 3-8-96)*
- N/A* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- ec* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-11-96) (4-3-96/Indian) (4-15-96/Fee C.A.'s) (8-20-96/Indian C.A.'s)*
- ec* 6. Cardex file has been updated for each well listed above.
- ec* 7. Well file labels have been updated for each well listed above.
- ec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-11-96)*
- ec* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only) *Surety No. U605382-1 (\$80,000) United Pacific Ins. Co.*

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files. *\* Upon Compl. of routing.*
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date March 11, 1996. If yes, division response was made by letter dated                      19  . *(Same Bond as Coaster)*

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

### FILMING

- Yes 1. All attachments to this form have been microfilmed. Date:                      1-7 1997.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/60311 This change involves Fee lease / non C.A. wells ~~only~~ in state lease wells.  
~~C.A. & Indian lease wells will be handled on separate change.~~

9/60412 BLM / SL Aprv. C.A.'s 4-11-96.

9/60820 BIA Aprv. CA's 8-16-96.

9/60329 BIA Aprv. Indian Lease wells 3-26-96.

WE71/34-35

*\* 9/61107 Lemicy 2-5B2/43013-30784 under review at this time; no chg. yet!*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR:

368 South 1200 East CITY Vernal STATE Utah ZIP 84078

PHONE NUMBER:

435-789-4433

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

COUNTY:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Name Change

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE 

DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE 

DATE 06-15-01

(This space for State use only)

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JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
*Office of the Secretary of State*

---

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

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JUN 14 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

## CERTIFICATE OF AMENDMENT

OF

## CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST," so that, as amended, said Article shall be and read as follows:

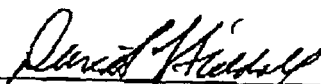
"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL &amp; GAS CORPORATION



David L. Siddall  
Vice President

Attest:

  
Margaret E. Roark, Assistant Secretary

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STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH	<input checked="" type="checkbox"/>	4-KAS	<input checked="" type="checkbox"/>
2. CDW	<input checked="" type="checkbox"/>	5-LP	<input checked="" type="checkbox"/>
3. JLT	<input type="checkbox"/>	6-FILE	<input type="checkbox"/>

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X**      **Merger**The operator of the well(s) listed below has changed, effective: **3-09-2001**

<b>FROM:</b> (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

<b>TO:</b> ( New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

**CA No.****Unit:****WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
BROTHERSON 1-22B4	43-013-30227	1780	22-02S-04W	FEE	OW	P
BROTHERSON 2-22B4	43-013-31086	1782	22-02S-04W	FEE	OW	P
BROTHERSON 1-23B4R	43-013-30483	8423	23-02S-04W	FEE	OW	P
BROTHERSON 3-23B4	43-013-31289	11141	23-02S-04W	FEE	OW	P
<b>BROTHERSON 1-24B4</b>	43-013-30229	1865	24-02S-04W	FEE	OW	P
BROTHERSON 1-25B4	43-013-30668	9126	25-02S-04W	FEE	OW	P
BROTHERSON 1-26B4	43-013-30336	1856	26-02S-04W	FEE	OW	P
BROTHERSON 1-27B4	43-013-30185	4735	27-02S-04W	FEE	OW	P
BLEAZARD 2-28B4 (CA 96-81)	43-013-31304	11433	28-02S-04W	FEE	OW	P
YOUNG ETAL 1-29B4	43-013-30246	1791	29-02S-04W	FEE	OW	P
WEIKART 2-29B4	43-013-31298	11332	29-02S-04W	FEE	OW	P
LAWRENCE 1-30B4	43-013-30220	1845	30-02S-04W	FEE	OW	P
YOUNG 2-30B4	43-013-31366	11453	30-02S-04W	FEE	OW	P
CHRISTMAN BLANN 1-31	43-013-30198	4745	31-02S-04W	FEE	OW	P
GRIFFITHS 1-33B4 (CA 96-119)	43-013-30288	4760	33-02S-04W	FEE	OW	P
BELCHER 2-33B4 (CA 96-119)	43-013-30907	9865	33-02S-04W	FEE	OW	P
TEW 1-1B5	43-013-30264	1870	01-02S-05W	FEE	OW	P
MILES 2-1B5	43-013-31257	11062	02-02S-05W	FEE	OW	P
POTTER 1-2B5	43-013-30293	1826	02-02S-05W	FEE	OW	P
BROTHERSON 2-2B5	43-013-31302	11342	02-02S-05W	FEE	OW	P

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/05/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/05/2001
3. Bond information entered in RBDMS on: 06/20/2001
4. Fee wells attached to bond in RBDMS on: 07/05/2001

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 400JU0708
2. The **FORMER** operator has requested a release of liability from their bond on: COMPLETION OF OPERATOR CHANGE  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: COMPLETION OF OPERATOR CHANGE

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 8-15-01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

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Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ

2. CDW

Change of Operator (Well Sold)

**X Operator Name Change**

The operator of the well(s) listed below has changed, effective:

7/1/2006

**FROM: (Old Operator):**

N1845-El Paso Production O&G Company

1001 Louisiana Street

Houston, TX 77002

Phone: 1 (713) 420-2300

**TO: ( New Operator):**

N3065-El Paso E&P Company, LP

1001 Louisiana Street

Houston, TX 77002

Phone: 1 (713) 420-2131

**CA No.**

**Unit:**

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/5/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/5/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/30/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 2114377-0181
5. If **NO**, the operator was contacted on: \_\_\_\_\_
- 6a. (R649-9-2)Waste Management Plan has been received on: \_\_\_\_\_ requested 7/18/06
- 6b. Inspections of LA PA state/fee well sites complete on: ok
- 6c. Reports current for Production/Disposition & Sundries on: \_\_\_\_\_
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet
8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 7/14/2006

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 7/19/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/19/2006
3. Bond information entered in RBDMS on: 7/19/2006
4. Fee/State wells attached to bond in RBDMS on: 7/19/2006
5. Injection Projects to new operator in RBDMS on: 7/19/2006
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 7/5/2006

**BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 103601420
2. Indian well(s) covered by Bond Number: 103601473
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 400JU0708
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a applicable wells moved
- The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 7/20/2006

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: MULTIPLE LEASES
2. NAME OF OPERATOR: EL PASO PRODUCTION OIL AND GAS COMPANY N1845		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1339 EL SEGUNDO AVE NE ALBUQUERQUE NM 87113		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (505) 344-9380		8. WELL NAME and NUMBER: SEE ATTACHED
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: SEE ATTACHED
COUNTY: UINTAH & DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: CHANGE OF OPERATOR
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PLEASE BE ADVISED THAT EL PASO PRODUCTION OIL AND GAS COMPANY (CURRENT OPERATOR) HAS TRANSFERRED ITS OPERATORSHIP TO EL PASO E&P COMPANY, L.P. (NEW OPERATOR) EFFECTIVE JUNE 30, July 1, 2006 AND THAT EL PASO E&P COMPANY, L.P. IS CONSIDERED TO BE THE NEW OPERATOR OF THE ATTACHED WELL LOCATIONS.

EL PASO E&P COMPANY, L.P. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASED LANDS. BOND COVERAGE IS PROVIDED BY THE STATE OF UTAH STATEWIDE BLANKET BOND NO. 400JU0705, BUREAU OF LAND MANAGEMENT NATIONWIDE BOND NO. 103601420, AND BUREAU OF INDIAN AFFAIRS NATIONWIDE BOND NO. 103601473.

El Paso E & P Company, L. P. N3065  
1001 Louisiana  
Houston, TX 77002

William M. Griffin  
William M. Griffin, Sr. Vice President

NAME (PLEASE PRINT) CHERYL CAMERON	TITLE AUTHORIZED REGULATORY AGENT
SIGNATURE <u>Cheryl Cameron</u>	DATE 6/20/2006

(This space for State use only)

APPROVED 7/19/06  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED  
JUL 05 2006  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
EL PASO E&P COMPANY, L.P.

3. ADDRESS OF OPERATOR:  
1099 18TH ST, SUITE 1900 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:  
(303) 291-6475

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
Brotherson 1-24B4

9. API NUMBER:  
4301330229

10. FIELD AND POOL, OR WILDCAT:  
ALTAMONT

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1445' FNL, 1894' FEL

COUNTY: Duchesne

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 24 T2S R4W

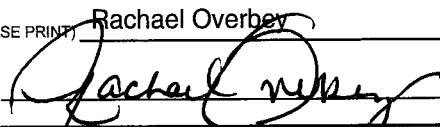
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Surface Meter
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Commingle

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The referenced well is commingled at surface meter with the Brotherson 2-24B4 API# 43-013-32695

NAME (PLEASE PRINT) Rachael Overbey TITLE Engineering Tech  
SIGNATURE  DATE 7/16/2008

(This space for State use only)

RECEIVED

AUG 05 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18TH ST, SUITE 1900 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1445' FNL, 1894' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 24 T2S R4W		8. WELL NAME and NUMBER: Brotherson 1-24B4 9. API NUMBER: 4301330229 10. FIELD AND POOL, OR WILDCAT: ALTAMONT
		COUNTY: Duchesne STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/28/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: commingle/measurement
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE REFERENCED WELL & BROTHERTON 2-24B4 (4301332695) SHARE THE SAME TREATER AND HAVE COMMON ROYALTY OWNERSHIP. EACH MONTH A 24 HR. WELL TEST IS CONDUCTED FOR OIL, GAS AND WATER PRODUCTION. THE PRODUCTION VOLUMES ARE TAKEN FROM THE ORIFICE METER GAS SALES CHART, OIL METER AND WATER METER. THE WELL NOT BEING TESTED IS SHUT IN DURING THE 24 HR TEST PERIOD. AT THIS TIME THE 1-24B4 IS TEMPORARILY ABANDONED.

COPY SENT TO OPERATOR

Date: 12.3.2009

Initials: KS

NAME (PLEASE PRINT) MARIE OKEEFE	TITLE SR REGULATORY ANALYST
SIGNATURE <i>Marie Okeefe</i>	DATE 10/28/2009

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11/30/09 (See Instructions on Reverse Side)

BY: *D. Stille*

RECEIVED

NOV 09 2009

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

**Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

**FROM: (Old Operator):**

N3065- El Paso E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002

Phone: 1 (713) 997-5038

**TO: ( New Operator):**

N3850- EP Energy E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002

Phone: 1 (713) 997-5038

**CA No.**

**Unit:**

**N/A**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah:          Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Second Oper Chg

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
- Bond information entered in RBDMS on: 6/29/2012
- Fee/State wells attached to bond in RBDMS on: 6/29/2012
- Injection Projects to new operator in RBDMS on: 6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

**COMMENTS:**

Disposal and Injections wells will be moved when UIC 5 is received.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

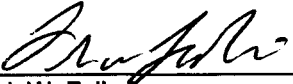
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Multiple Leases</b>
2. NAME OF OPERATOR: <b>El Paso E&amp;P Company, L.P.</b> Attn: <b>Maria Gomez</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77002</b>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See Attached</b>		8. WELL NAME and NUMBER: <b>See Attached</b>
PHONE NUMBER: <b>(713) 997-5038</b>		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: <b>See Attached</b>
COUNTY:		STATE: <b>UTAH</b>

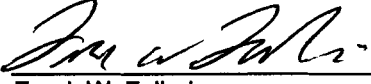
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>Change of</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>Name/Operator</b>

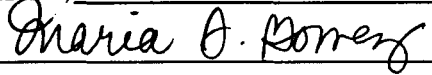
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

  
Frank W. Falleri  
Vice President  
El Paso E&P Company, L.P.

  
Frank W. Falleri  
Sr. Vice President  
EP Energy E&P Company, L.P.

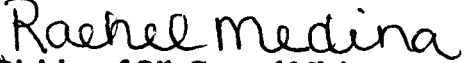
NAME (PLEASE PRINT) <u>Maria S. Gomez</u>	TITLE <u>Principal Regulatory Analyst</u>
SIGNATURE 	DATE <u>6/22/2012</u>

(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012  
  
Rachel Medina  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
Rachel Medina

(See Instructions on Reverse Side)

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSKY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	



JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P	
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P	
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P	
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P	
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P	
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P	
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P	
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P	
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P	
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P	
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P	
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P	
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P	
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P	
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P	
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P	
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P	
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P	
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P	
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P	
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P	
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P	
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P	
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P	
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P	
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P	
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P	
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P	
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P	
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P	
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P	
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P	
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P	
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P	
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P	
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P	
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P	
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P	
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P	
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P	
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P	
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P	
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P	
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P	
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P	
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P	
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P	
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P	
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P	
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P	
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P	

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P	
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P	
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P	
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P	
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P	
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P	
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P	
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P	
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P	
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P	
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P	
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P	
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P	
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P	
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P	
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P	
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P	
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P	
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P	
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P	
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P	
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P	
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P	
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P	
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P	
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P	
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P	
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P	
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P	
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P	
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P	
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P	
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P	
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P	
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P	
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P	
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P	
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P	
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P	
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P	
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P	
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P	
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P	
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P	
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P	
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P	
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P	
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P	
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P	

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P	
OBERHANSKY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P	
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P	
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P	
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P	
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P	
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P	
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P	
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P	
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA	
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA	
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA	
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA	
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA	
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA	
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA	
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA	
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA	
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA	
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA	
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA	
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA	
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA	
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA	
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA	
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA	
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA	
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA	
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA	
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA	
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA	
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA	
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA	
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA	
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA	
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA	
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA	
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA	
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA	
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA	
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA	
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA	
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA	
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA	
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA	
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA	
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA	
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA	
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA	
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA	
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA	
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA	
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA	
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA	
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA	
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA	
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA	

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSLY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> EP ENERGY E&P COMPANY, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana, Houston, TX, 77002		<b>8. WELL NAME and NUMBER:</b> BROTHERRSON 1-24B4
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1445 FNL 1894 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 24 Township: 02.0S Range: 04.0W Meridian: U		<b>9. API NUMBER:</b> 43013302290000
<b>PHONE NUMBER:</b> 713 997-5038 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH


11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/1/2013</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Please see attached for details.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: September 23, 2013

By: 

<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 997-5038	<b>TITLE</b> Principal Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/22/2013	





**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43013302290000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338. 2. Amend Plug #3: Plug should be spotted a minimum of 50' into stub ( $\pm 6250'$ ) to 5800' as proposed as required by R649-3-24-3.8. Quantity of cement appears to be adequate.**
- 3. Move Plug #4: The 200' cement plug shall be moved uphole 2000' and balanced from 3500' to 3300' to isolate the Base of Moderately Saline Ground Water and the offset Salt Water Disposal zones as required by R649-3-24-3.3.**
- 4. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 5. All annuli shall be cemented from a minimum depth of 100' to the surface.**
- 6. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 8. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply**

9/23/2013

## Wellbore Diagram

r263

API Well No: 43-013-30229-00-00

Permit No:

Well Name/No: BROTHERSON 1-24B4

Company Name: EP ENERGY E&amp;P COMPANY, L.P.

Location: Sec: 24 T: 2S R: 4W Spot: SWNE

Coordinates: X: 561037 Y: 4460901

Field Name: ALTAMONT

County Name: DUCHESNE

## String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (bbl/ft)
HOL1	308	17.5			
SURF	308	13.325	68		
HOL2	6000	12.25			
I1	6000	9.625	40		2.349
HOL3	10703	8.75			
I2	10703	7	26		4.655
HOL4	12300	6.25			
L2	10610	5.5	15.5		7.483
L1	12298	5	18		10.028
					1.979

Cement from 308 ft. to surface

Surface: 13.325 in. @ 308 ft.

Hole: 17.5 in. @ 308 ft.

Plug #5

$$(0.15)(1.05)(2.349) = 150' \quad 8\frac{3}{4}" \text{ OH } (10\%)$$

## Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
I1	6000	0	LT	375
I1	6000	0	G	174
I2	10703	9160	LT	133
I2	10703	9160	G	210
L1	12298	10610	UK	196
L2	10610	7300	G	235
SURF	308	0	G	174
SURF	308	0	LT	150

## Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
11558	12228			
10408	11451			
9191	10298			

## Formation Information

Formation	Depth
BMSW	3400
GRRV	5522
GRRVL	8770
WSTC	10747

Offset injector

4301330038 - 5568' W - 7263' to 9276'  
 4301330146 - 13923'E - 4650' to 5033'

TD: 12300 TVD:

PBTD:



6/26/2013

# Brotherson 1-24B4

API # 43-013-30229

Altamont Field – Duchesne County, Utah

SW/4 - NE/4

Section 24, T 2 S, R 4 W

Lat. = 40° 17' 47.004"

Long. = -110° 16' 52.2834"

## Regulatory

### Plug & Abandonment Procedure

#### CURRENT STATUS:

This well has been shut-in since April 2010.

BI	Unknown	Casing Fluid	Produced Fluid
BI	Unknown	TD:	12,300'
SI	Unknown	PBTD:	12,270'
SI	Unknown		



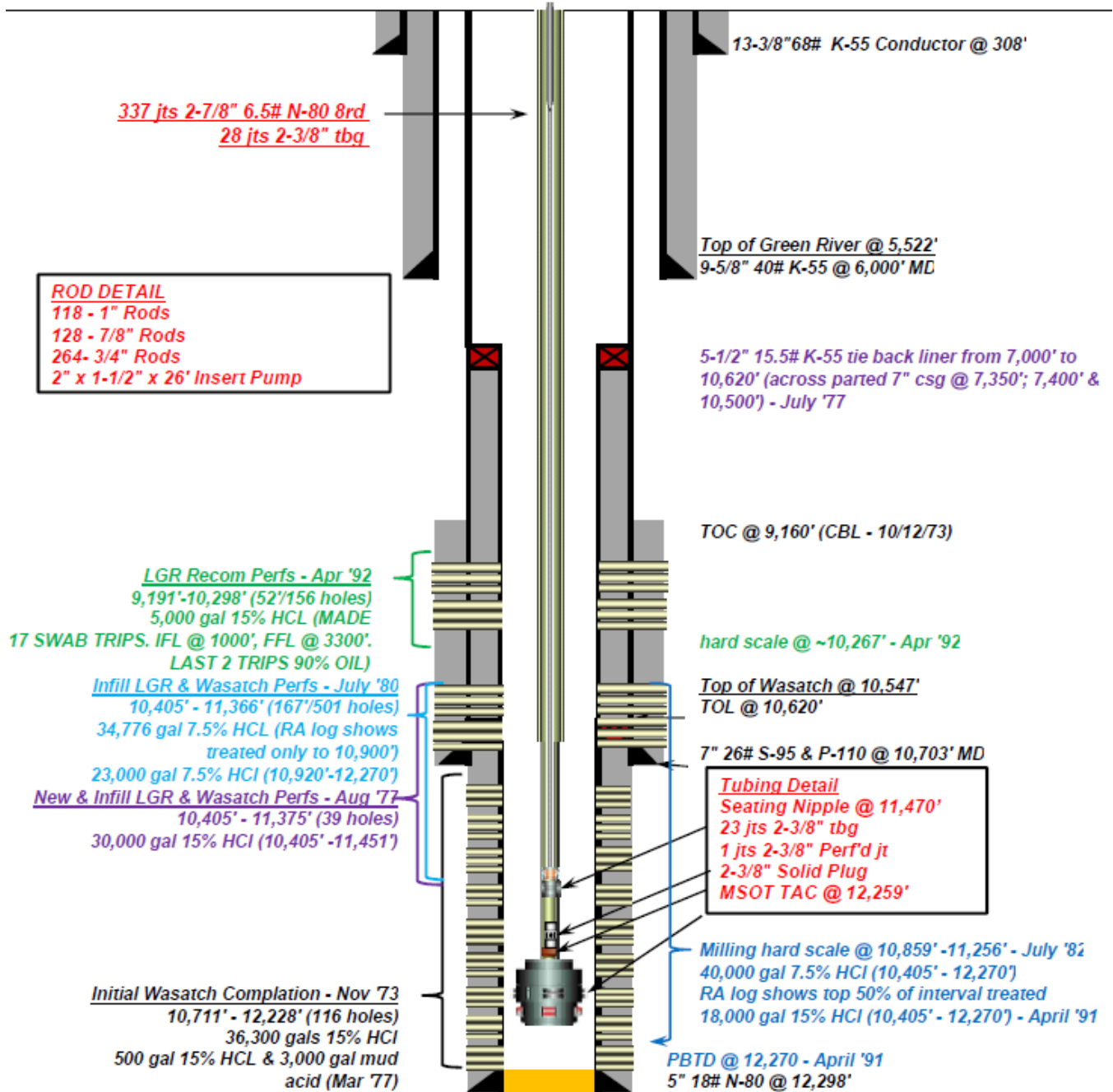
6/26/2013

## Current WBD

SI Schematic as of May. 6 2013

Company Name: EP Energy  
 Well Name: Brotherson 1-24B4  
 Field, County, State: Altamont - Bluebell, Duchesne, Utah  
 Surface Location: \_\_\_\_\_  
 Producing Zone(s): Wasatch & LGR

Last Updated: May 6, 2013  
 By: J. Tomova  
 TD: 12300'  
 BHL: \_\_\_\_\_  
 Elevation: \_\_\_\_\_





6/26/2013

## Proposed P&amp;A WBD



## Proposed P&amp;A as of June, 25 2013

Company Name: EP Energy  
 Well Name: Brotherson 1-24B4  
 Field, County, State: Altamont - Bluebell, Duchesne, Utah  
 Surface Location: \_\_\_\_\_  
 Producing Zone(s): Wasatch & LGR

Last Updated: June 25, 2013  
 By: I. Tomova  
 TD: 12300'  
 BHL: \_\_\_\_\_  
 Elevation: \_\_\_\_\_

\*Cement to be used: 16.4ppg, 1.05 yield Class G

Plug Summary					
	Bottom	Top	Length	BBLs	SX
Plug # 6	150	0	150	11	61
Plug # 5	5500	5300	200	15	81
Plug # 4	6200	5800	400	45	240
Plug # 3	7200	6800	400	12	66
Plug # 2	9100	8900	200	5	25
Plug # 1	10500	10300	200	5	25
*100% excess in OH			Total:	93	499

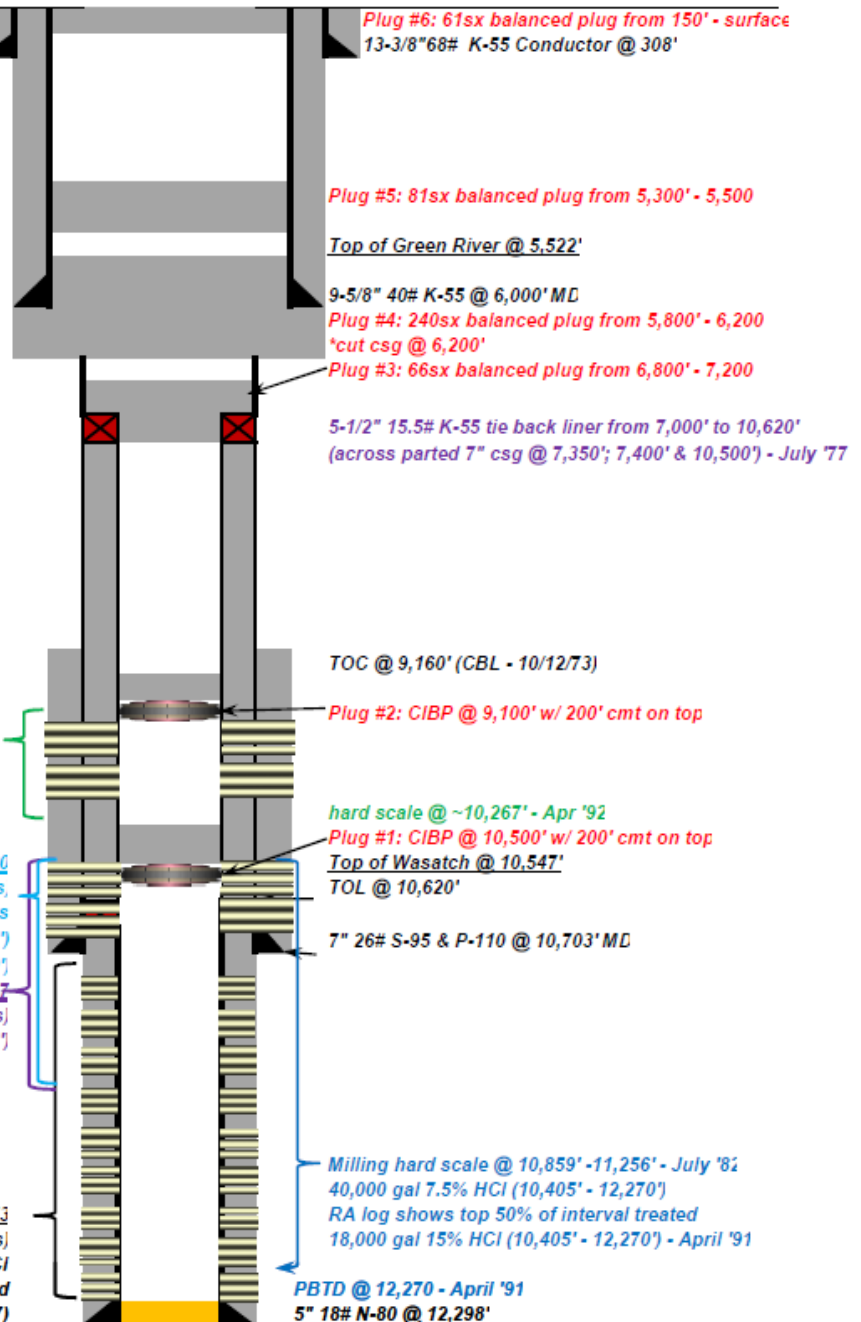
Casing and Cementing Data				
Hole Size	12-1/4"	8-3/4"		
Casing OD	9-5/8"	7"	5"	5-1/2"
Casing Weight	40#	26#	18#	15.5#
Grade	K-55	S-95/ P-110	N-80	K-55
Depth	6,000'	10,703'	10,610' - 12,298'	7,000' - 10,620'
Cmt Info	950 cuft	508 cuft	225 cuft	270 cuft
Casing ID	8.835	6.276	4.276	4.95
Drift ID	8.679	6.151	4.151	4.825

LGR Recom Perfs - Apr '92  
 9,191'-10,298' (52'/156 holes)  
 5,000 gal 15% HCL (MADE  
 17 SWAB TRIPS. IFL @ 1000', FFL @ 3300'. LAST  
 2 TRIPS 90% OIL)

Infill LGR & Wasatch Perfs - July '80  
 10,405' - 11,366' (167'/501 holes,  
 34,776 gal 7.5% HCL (RA log shows  
 treated only to 10,900')  
 23,000 gal 7.5% HCl (10,920'-12,270')

New & Infill LGR & Wasatch Perfs - Aug '77  
 10,405' - 11,375' (39 holes)  
 30,000 gal 15% HCl (10,405'-11,451')

Initial Wasatch Completion - Nov '73  
 10,711' - 12,228' (116 holes)  
 36,300 gals 15% HCl  
 500 gal 15% HCL & 3,000 gal mud acid  
 (Mar '77)





6/26/2013

## Tubular Data

Material	Description	Burst (100%)	Col (100%)	ID	Drift ID	Capacity (bbl/ft)	TOC
Surface Casing	9-5/8" 40# K-55 @ 6,000'	3950	2020	8.835	8.679	0.0758	Surface
Intermediate Casing	7" 26# S-95 & P-110 @ 10,703'	8600 9960	5870 6210	6.276	6.151	0.0383	TOC @ 9,160' (CBL - 10/12/73)
Production Liner	5" 18# N-80 @ 10,620' - 12,298'	10140	10490	4.408	4.283	0.0189	TOL
Tie Back Liner	5-1/2" 15.5# K-55 tie back liner @ 7,000' - 10,620'	4810	4040	4.950	4.825	0.0238	TOL

## Plug & Abandonment Procedure

- Testing tubing, use workstring and use CIBP/CICR as per Magna's recommendation.
1. Notify **Dan Jarvis w/ UDOGM @ 801-538-5338** and BLM of P&A operations **at least 24 hours** prior to start of well work (See Contact List).
  2. MIRU workover rig. RU Hot Oil Unit and pump hot FSW down backside to heat up tubing. Unseat pump and flush tubing & rods with hot water. POOH w/rods & pump.
  3. Send pump in for inspection & rebuild. ND tree and NU and test BOP's to 5,000# for 10 minutes. Have test recorded and charted to be signed and dated by well site supervisor. Record BOP serial number.
  4. Release tubing anchor at ~ 12,259' and POOH scanning tubing for wear. Lay out all bad joints. Check for NORM. If no NORM is found, note it in the daily report; If NORM is found in the tubing; Follow El Paso procedures and chain of custody paperwork for handling, wrapping and transporting NORM tubing to a proper cleaning or disposal site.
  5. MIRU SLU. RIH w/ GR (check min setting OD on CIBP/CIRC to be used) to 10,550'. If tag higher, continue with procedure, otherwise skip to step 7.
  6. PU 6-1/8" RB, 7" 26# casing scraper, 2 x 3 1/2" drill collars on 2 7/8" tubing (or 2-3/8" workstring). Work down to ~10,550' and attempt to establish circ with FSW, circ until returns clean. POOH. If perforations take fluid on way in, mix a 10 bbl HEC pill and circulate around or spot as needed.

## Plug #1

7. PU & MU a 7"- (26#) mechanical set CIBP/CICR on tbg or work-string and TIH to  $\pm 10,500'$ . Set **CIBP @  $\pm 10,500'$**  above Top of Wasatch @ ~10,547'. Get off of CIBP & establish circulation.
8. Mix cement plug with  **$\pm 25$  sacks ( $\pm 5$  bbls)** of 16.4ppg 1.05 yield Class G cement. Lay in a  **$\pm 200'$**  balanced cement plug from **10,500' to 10,300' on top of the CIBP**.
9. PU above cement and Reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up. WOC.
10. Run back in and tag plug. Circulate around non-corrosive fluid to 9,100'. If tag is lower than top of proposed plug, contact Houston. POOH





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11. PU & MU a 7"- (26#) mechanical set CIBP/CICR on tbg or work-string and TIH to  $\pm 9,100'$ . Set **CIBP @  $\pm 9,100'$**  above top perf @  $\sim 9,191'$ . Get off of CIBP & establish circulation.
12. RU pump and high pressure piping to 2 $\frac{7}{8}$ " tubing and Test all connections and choke manifold to 250psig/5000psig. Test 7" casing and CIBP to 1,000 psi. Note test in daily report. Contact Houston office if casing/CIBP fails to test. If casing and CIBP tests continue with procedure.
13. Mix cement plug with  **$\pm 25$  sacks ( $\pm 5$  bbls)** of 16.4ppg 1.05 yield Class G cement. Lay in a  **$\pm 200'$**  balanced cement plug from  **$9,100'$  to  $8,900'$**  on top of the CIBP.
14. PU above cement and Reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up. WOC.
15. Run back in and tag plug. Circulate around non-corrosive fluid to 7,200'. If tag is lower than top of proposed plug, contact Houston. POOH

### **Plug #2**

16. Pull up to 7,200'.
17. Mix cement plug with  **$\pm 66$  sacks ( $\pm 12$  bbls)** of 16.4ppg 1.05 yield Class G cement. Lay in a  **$\pm 400'$**  balanced cement plug across tie-back liner top @ 7,000' from  **$7,200'$  to  $6,800'$** .
18. PU above cement and Reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up; WOC.
19. Run back in and tag plug. If tag is lower than top of proposed plug, contact Houston.
20. Circulate around non-corrosive fluid to 6,200'. POOH
21. MIRU E-line. PU & MU 7" jet-cutter assembly; Test lubricator to 250psig/3000psig; RIH to  $\pm 6,200'$ ; Pressure up to 500psig on casing and jet **cut 7" casing at  $\pm 6,200'$**  ( $\sim 200'$  below surface casing shoe @ 6,000'); POOH. RD ELU.
22. Establish circulation down the 7" and up the 7" by 9-5/8" annulus.
23. RU 7" casing handling equipment; PU & MU casing spear on tbg; Land and set the 7" csg spear
24. POOH & LD 6,200' of 7" csg.
25. Check for Norm.

### **Plug #3**

26. RIH open ended w/ workstring to 6,200'.
27. Mix cement plug with **240 sacks ( $\pm 45$  bbls)** of 16.4ppg 1.05 yield Class G cement. Lay in a  **$\pm 400'$**  balanced cement plug from  **$6,200'$  to  $5,800'$**  (across surface casing shoe @ 6,000').
28. PU above cement and Reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up; WOC.
29. Run back in and tag plug. If tag is lower than top of proposed plug, contact Houston.
30. Circulate around non-corrosive fluid to 5,500'. POOH

### **Plug #4**

31. Pull up to 5,500'.
32. Mix cement plug with  **$\pm 81$  sacks ( $\pm 12$  bbls)** of 16.4ppg 1.05 yield Class G cement. Lay in a  **$\pm 200'$**  balanced cement plug above Top of Green River Formation @ 5,522' from  **$5,500'$  to  $5,300'$** .



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33. PU above cement and Reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up; WOC.
34. Run back in and tag plug. If tag is lower than top of proposed plug, contact Houston.
35. Circulate around non-corrosive fluid to 150'. POOH
36. Mix and circulate a  $\pm 150'$  balanced cement plug from 150' to surface with  $\pm 61$  sacks ( $\pm 11$  bbls) of 16.4ppg 1.05 yield Class G cement. Pump cement from surface until cement returns up the backside. POOH. With 1 jt left, circ around fresh water @ top 5'. WOC; Monitor surface samples of cement to determine when the cement has set up.
37. Weld and install dry hole plate. Dry hole plate is to include the following:

- |                    |   |
|--------------------|---|
| 1. Well Name:      | <u>Brotherson 1-24B4</u>                |
| 2. Operator Name : | <u>EP Energy</u>                        |
| 3. API Number:     | 43-013-30229                            |
| 4. Location:       | <u>SW/4 NE/4 – Sec 24, T 2 S, R 4 W</u> |

38. RD&MO rig & clean up location
39. Restore location as directed





GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

September 4, 2014

CERTIFIED MAIL NO.: 7011 2970 0001 8828 1627

43 013 30229  
Brotherson 1-24B4  
24 25 4W

Ms. Maria Gomez  
EP Energy E&P Company, LP.  
1001 Louisiana  
Houston, TX 77002

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Gomez:

As of April 2014, EP Energy E&P Company, LP (EP) has twenty-seven (27) Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Two (2) wells in 2013 and four (4) wells in 2014 were added to EP's SI/TA list.

The Division has worked with EP for many years to reduce the immense number of wells that were in non-compliance status. The Division feels that EP's SI/TA list is now at a manageable number; therefore all wells need to be addressed.

EP has a number of wells that were proposed for plugging (attachment A) but have not been plugged. Additionally, four (4) wells were inspected and reported as plugged by Division inspectors, but EP has failed to file subsequent plugging sundries and consequently are still listed as SI/TA (attachment A).

It has also come to the Division's attention that there are unresolved complaints against EP from landowners concerning spills and site access. Specifically with reference to the Christensen 3-4B4, pictures showing the state of the well were sent to the Division; it appears that this well is nowhere near being capable of production. This is cause for concern which needs to be addressed.

EP shall immediately submit plans and timeframes for each well stating which wells will be plugged, placed back on production, or requesting SI/TA extension with proof of wellbore integrity and good cause for such request. All wells need an individual sundry filed and are required to meet the SI/TA rules as listed below.



September 4, 2014

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1)
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

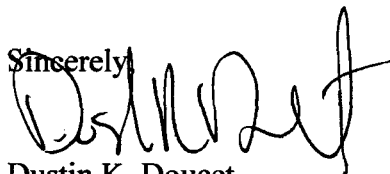
Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js

cc: Compliance File  
Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	Proposed PA	Plugged
1	CEDAR RIM 2	43-013-30019	FEE	12 years 7 months	Needs subsequent	7/17/2013
2	CHRISTENSEN 3-4B4	43-013-31142	FEE	10 years 4 month	5/10/2010	
3	DRY GULCH 1-36A1	43-047-30569	FEE	22 years 1 moth		
4	LARSEN 1-25A1	43-047-30552	FEE	10 years 11 months		
5	FARSWORTH 2-12B5	43-013-31115	FEE	10 years 5 months	5/18/2007	
6	BROTHERSON 1-10B4	43-013-30110	FEE	9 years 11 months		
7	BROTHERSON 1-24B4	43-013-30229	FEE	8 years 11 months		
8	BROTHERSON 1-33A4	43-013-30272	FEE	7 years 1 month		
9	MILES 2-35A4	43-013-31087	FEE	6 years 11 months	12/31/2012	
10	SMB 1-10A2	43-013-30012	FEE	4 years 8 months		
11	RUST 1-4B3	43-013-30063	FEE	4 years 7 months	Needs subsequent	9/19/2013
12	SMITH ALBERT 2-8C5	43-013-30543	FEE	4 years 9 months	Needs subsequent	12/4/2013
13	VODA JOSEPHINE 2-19C5	43-013-30553	FEE	4 years 9 months		
14	BROWN 2-28B5	43-013-30718	FEE	4 years 3 months		
15	HANSUKUTT 2-23B5	43-013-30917	FEE	4 years 8 months	Needs subsequent	10/24/2013
16	BROTHERSON 3-23B4	43-013-31289	FEE	4 years 9 months		
17	BROTHERSON 1-14B4	43-013-30051	FEE	3 years 11 months		
18	BROTHERSON 2-3B4	43-013-31008	FEE	3 years 6 months		
19	POWELL 2-33A3	43-013-30704	FEE	3 years 1 month	6/1/2014	
20	BROTHERSON 2-3B4	43-013-31008	FEE	3 years 3 months		
21	DASTRUP 2-30A3	43-013-31320	FEE	3 years 8 months		
22	R HOUSTON 1-22Z1	43-013-30884	FEE	2 years 3 months		
23	HORROCKS 5-20A1	43-013-34280	FEE	4 years 7 months		
24	BELCHER 2-33B4	43-013-30907	FEE	1 year 2 months		
25	CEDAR RIM 2A	43-013-31172	FEE	2 years 2 months		
26	EULA-UTE 1-16A1	43-013-30782	FEE	1 year 11 months		
27	HANSEN 1-16B3	43-013-30617	FEE	1 year 8 months		

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: BROTHERSON 1-24B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013302290000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1445 FNL 1894 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 24 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/11/2013				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

POOH w tbg. Fish top @ 10452'. 35sx BP TOC @ 10367' (87'). Pumped 25sx 216' more cmt on top of plug. CICR @ 9097'. Spotted 25sx BP. Tagged top of fish @ 7448'. Pumped 100 sx cmt top @ 6723' (726'). Found indication of parted casing. Pumped 100 sx @ 5647' cmt top @ 5366' (281') w 131' above casing stub @ 5497'. Plug approved by Dennis Ingram. Pumped 100sx BP @ 3494' TOC @ 3277' (217'). Pumped 75sx BP. Cut casing head and welded on marker plate.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 14, 2014

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A		DATE 10/13/2014

## CENTRAL DIVISION

ALTAMONT FIELD

BROTHERSON 1-24B4

BROTHERSON 1-24B4

P&A LAND

### Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

## 1 General

### 1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

### 1.2 Well Information

Well	BROTHERSON 1-24B4		
Project	ALTAMONT FIELD	Site	BROTHERSON 1-24B4
Rig Name/No.	MAGNA/026	Event	P&A LAND
Start Date	9/30/2013	End Date	10/11/2013
Spud Date/Time	6/24/1973	UWI	024-002-S 004-W 30
Active Datum	KB @6,165.0ft (above Mean Sea Level)		
Afe No./Description	161535/49283 / BROTHERSON 1-24 B4		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
10/1/2013	15:00 17:30	2.50	MIRU	01		P		MOVE EQUIPMENT IN, HOLE PRE RIG UP SAFETY MEETING. SPOT IN EQUIPMENT. RIG UP RIG TO PULL RODS. SHUT DOWN FOR DAY
10/2/2013	6:00 7:30	1.50	PRDHEQ	28		P		CREW TRAVEL, SAFETY MEETING. (LAYING DOWN RODS, N/U BOPS. PINCH POINTS BODY POSITIONING) FILL OUT AND REVIEW JSA
	7:30 13:00	5.50	PRDHEQ	24		P		UNSEAT ROD PUMP. FLUSH RODS AND POOH LAYING DOWN RODS AND ROD PUMP
	13:00 16:00	3.00	PRDHEQ	16		P		NIPPLE DOWN WELLHEAD. NIPPLE UP BOP AND RIG UP RIG TO PULL TUBING
	16:00 18:30	2.50	PRDHEQ	39		P		RELEASE TUBING ANCHOR AND WORK TUBING AND ANCHOR OUT OF LINER WITH ANCHOR HANGING OCCASIONALLY. SECURE WELL WITH EOT @ 10,550' SHUT DOWN FOR DAY
10/3/2013	6:00 7:30	1.50	PRDHEQ	28		P		CREW TRAVEL. SAFETY MEETING ( TRIPPING TUBING, BODY POSITIONING) FILL OUT AND REVIEW JSA
	7:30 10:00	2.50	PRDHEQ	39		P		CONTINUE TO POOH WITH TUBING. WITH 10 JOINTS 2 7/8" TUBING AND 52 JOINTS 2 3/8" TUBING PLUS BOTTOM HOLE ASSEMBLY TUBING PARTED BELOW THE SLIPS. POOH WITH A TOTAL OF 333 JOINTS TUBING
	10:00 14:00	4.00	PRDHEQ	52		N		PICK UP 4 3/4" ROCK BIT AND BIT SUB AND TRIP INTO WELL BORE TO 10452' TO THE FISH TOP.
	14:00 15:30	1.50	WBREMD	52		N		WAIT ON ORDERS TO PROCEED
	15:30 17:30	2.00	WBREMD	05		P		WITH APPROVAL TO CHANGE PROG BY DENNIS INGRAM PUMP 35 SACK 16.4 PPG 1.05 YIELD CLASS G CEMENT BALANCED PLUG WITH EOT @10,442' AND POOH PULLING ABOVE PERFS TO 9000'. CIRCULATE TUBING OUT. SECURE WELL. SHUT DOWN FOR DAY
10/4/2013	6:00 7:30	1.50	WBREMD	28		P		CREW TRAVEL, SAFETY MEETING ( TRIPPING PIPE, PROPER LIFTING TECHNIQS, PINCH POINTS) FILL OUT AND REVIEW JSA
	7:30 9:00	1.50	WBREMD	05		P		TRIP INTO WELL AND TAG CEMENT @ 10367' FOR @ 87' PLUG PUMP 25 MORE SACKS FOR 216' MORE CEMENT ON TOP OF PLUG.
	9:00 15:30	6.50	WBREMD	39		P		POOH WITH ROCK BIT AND PICK UP 5 1/2" CICR AND TRIP INTO WELL SETTING CICR @ 9097'

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
10/5/2013	15:30 16:30	1.00	WBREMD	05		P		PUMP 140 BBLS TPW W/CORROSION INH. AND SPOT 25 SACK 16.4 PPG 1.05 YIELD CLASS G CEMENT BALANCED PLUG
	16:30 17:30	1.00	WBREMD	39		P		POOH WITH 1000' TUBING AND CLEAN UP CEMENT. SECURE WELL SHUT DOWN FOR DAY
	6:00 7:30	1.50	WBREMD	28		P		CREW TRAVEL SAFETY MEETING ( TRIPPING TUBING. BODY POSITIONING) FILL OUT AND REVIEW JSA
	7:30 8:00	0.50	WBREMD	53		N		OPEN WELL AND ATTEMPT TO TRIP INTO WELL TO TAG CEMENT TOP. PIPE WOULDN'T GO INTO WELL. WHILE PICKING UP ON TUBING TO TRU TO GET TUBING TO MOVE PIPE CAME INTO @ 45K. STACKED OUT OF PIPE AND FISH TOP WAS STILL IN SAME PLACE.
	8:00 9:30	1.50	WBREMD	39		N		POOH WITH 238 JTS TUBING FINDING TUBING WAS PARTED ON THE 238th JOINT IN THE BODY (TUBING SHOWED THAT IT HAD BEEN BROKEN FOR SOME TIME. IT WAS DECIDED THAT SINCE THIS IS SECOND TIME THE TUBING HAD PARTED THAT THE TUBING SHOULD BE REPLACED)
	9:30 17:00	7.50	WBREMD	24		P		TRIP REMANING TUBING INTO WELL 1000' AT A TIME AND LAY DOWN TUBING STRING. SECURE WELL SHUT DOWN FOR DAY
10/6/2013	6:00 6:00	24.00	WBREMD	18		P		DOWN FOR WEEKEND
10/7/2013	6:00 6:00	24.00	WBREMD	18		P		DOWN FOR WEEKEND
10/8/2013	6:00 7:30	1.50	WBREMD	28		P		CREW TRAVEL, SAFETY MEETING ( PICKING UP TUBING AND PROPER LIFTING TECHNIQS) FILL OUT AND REVIEW JSA
	7:30 12:30	5.00	WBREMD	24		P		PICK UP 238 JOINTS TUBING AND TIH TAGGING FISH TOP @ 7448'
	12:30 13:30	1.00	WBREMD	05		P		PUMP 100 SACK 16.4 PPG 1.05 YEILD CLASS G CEMENT PLUG AND POOH WITH 1200' OF TUBING
	13:30 17:00	3.50	WBREMD	41		P		WAIT ON CEMENT FOR 2.5 HOURS AND THEN CIRCULATE WELL BORE FOR 1 HOUR WHILE WAITING FOR BALANCED PLUG TO SET
	17:00 18:30	1.50	WBREMD	39		P		TRIP INTO WELL AND TAG CEMENT TOP @ 6723' FOR A 726' CEMENT PLUG. POOH WITH TUBING TO 5000' AND SECUREW WELL. SHUT DOWN FOR DAY
10/9/2013	6:00 7:30	1.50	WBREMD	28		P		CREW TRAVEL, SAFETY MEETING. LAYING DOWN TUBING AND CASING. PINCH POINTS, BODY POSITIONING) FILL OUT AND REVIEW JSA. HOT OIL TRUCK STARTED CIRCULATING WELLBORE @ 5:00 AM
	7:30 9:30	2.00	WBREMD	06		P		CHANGE RETURN FROM 7" CASING TO SURFACE CASING ANC CIRCULATE DOWN TUBING AND UP SURFACE CASING INDICATING PARTED CASING
	9:30 11:00	1.50	WBREMD	39		P		POOH FROM 5000' WITH TUBING
	11:00 12:30	1.50	WBREMD	16		P		RIG DOWN RIG FLOOR AND NIPPLE DOWN BOP AND CASING SPOOL
	12:30 17:30	5.00	WBREMD	18		P		PICK UP CASING SPEAR AND PICK UP TO 265K CASING STARTED TO MOVE. PICK CASING UP OUT OF HANGER WEIGHING APPX 160K. RIG UP TO PULL CASING AND LAY DOWN 40 JOINTS CASING. SECURE WELL SHUT DOWN FOR DAY
10/10/2013	6:00 7:30	1.50	WBREMD	28		P		CREW TRAVEL, SAFETY MEETING (LAYING DOWN CASING. PINCH POINTS AND BODY POSITIONING. HAND PLACEMENT) FILL OUT AND REVIEW JSA
	7:30 8:30	1.00	WBREMD	06		P		CIRCULATE WELLBORE TO CLEAN CASING AND WELLBORE
	8:30 15:00	6.50	WBREMD	24		P		CONTINUE LAYING DOWN 7" CASING FOR A TOTAL OF 143 JOINTS AND 5497'
	15:00 17:00	2.00	WBREMD	16		P		RIG DOWN CASING EQUIPMENT AND RIG FLOOR. NIPPLE UP CASING SPOOL AND BOP. RIG UP RIG FLOOR TO TRIP TUBING

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	17:00 17:30	0.50	WBREMD	39		P		TRIP INTO WELL WITH TUBING TO 1400' SECURE WELL SHUT DOWN FOR DAY
10/11/2013	6:00 7:30	1.50	WBREMD	28		P		CREW TRAVEL. SAFETY MEETING (PINCH POINTS AND BODY POSITIONING. TRIPPING TUBING. SLIPS TRIPS AND FALLS. HOUSEKEEPING) FILL OUT AND REVIEW JSA
	7:30 9:00	1.50	WBREMD	39		P		CONTINUE TO TRIP INTO WELL WITH TUBING TO 5647'
	9:00 10:00	1.00	WBREMD	05		P		PUMP 100 SACKS 16.4 PPG 1.05 YIELD CLASS G CEMENT BALANCED PLUG
	10:00 10:30	0.50	WBREMD	39		P		POOH WITH 1000' TUBING
	10:30 14:30	4.00	WBREMD	41		P		CIRCULATE 9 5/8" CLEAN WITH TPW WHILE WAITING FOR CEMENT TO SET
	14:30 16:00	1.50	WBREMD	39		P		TRIP INTO WELL AND TAG CEMENT TOP @ 5366' FOR A PLUG LENGTH OF 281' WITH 131' ABOVE CASING STUB @ 5497' PLUG APPROVED BY DENNIS INGRAM UTAH DOGM. POOH LAYING DOWN TUBING TO 3494'
	16:00 17:00	1.00	WBREMD	05		P		PUMP 100 SACKS 16.4 PPG 1.05 YIELD CLASS G CEMENT BALANCED PLUG
	17:00 17:30	0.50	WBREMD	39		P		POOH WITH 1000' SECURE WELL SHUT DOWN FOR DAY
	6:00 7:30	1.50	WBREMD	28		P		CREW TRAVEL, SAFETY MEETING ( CUTTING WELLHEAD AND WELDING ON MARKER PLATE, RIG DOWN RIG) FILL OUT AND REVIEW JSA
10/12/2013	7:30 8:00	0.50	WBREMD	39		P		TRIP INTO WELL AND TAG PLUG 5 @ 3277 FOR A PLUG LENGTH OF 217'
	8:00 9:30	1.50	WBREMD	24		P		PULL OUT OF WELL LAYING DOWN ALL BUT 5 JOINTS TUBING
	9:30 10:30	1.00	WBREMD	16		P		RIG DOWN RIG FLOOR AND NIPPLE DOWN BOP. TIH WITH 157' OF TUBING
	10:30 11:00	0.50	WBREMD	05		P		PUMP 75 SACK 16.4 PPG 1.05 YIELD CLASS G CEMENT BALANCED PLUG
	11:00 15:00	4.00	WBREMD	18		P		POOH WITH TUBING AND RIG DOWN RIG WHILE WATCHING CEMENT. CUT CASING HEAD AND WELD ON MARKER PLATE
	15:00 16:00	1.00	WBREMD	18		P		POLICE LOCATION AND MOVE OUT



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